he Atiming Journal

OMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 628 .--- Vol. XVII.

LONDON, SATURDAY, SEPTEMBER 4, 1847.

PRICE 6D.

SALE OF LEAD ORE, AT ALSTON MOOR. The FOLLOWING PARCELS OF LEAD ORE-viz. At Kent Head Beelving House No. 1 ...

ers may have the ores VALUABLE LEAD MINE.—TO BE DISPOSED OF, a NUMBER OF SHARES in a LEAD MINE, called the HAVOD MINE, situate MINERA, in the county of DENBIGH (near to the celebrated Minera Mines), comprising 24 series of land, held by the present company under the Marquis of Westminster. A value of ore, called the "Rag Vein," runs through the whole extent of the land, from north-west to south-cast, and has been proved productive. A branch of the Shrewsbury and Chester Railway comes within a very short distance of the nine.

Apply to the agent, Mr. Jonathan Jones, City Land, Minera, near Wrexham.

EAD MINE, at KNOCKIBED, in the county of WIGTOWN,

SCOTLAND, TO BE LET, for 19 years.—This mine was worked with success
out 60 years ago, and the workings having been lately cleared out by the Earl of Statr,
proprietor, the appearances are most promising. Lead mines have lately been opened
in great promise in the adjoining district of Kirkendbright; and, if capital and mining
owledge were applied in Wigtownshire, that county might become, as it is in geograical appearance, the Convall of Scotland.
Apply to lir. Guthrie, Rephad, by Strahraer, chamberlain to the proprietor.

Rephad, August 25, 1847. al appearance, the Cornv oply to Mr. Guthrie, Rep ophad, August 25, 1847.

O BE LET, the PARK-HILL MINES, DEAN FOREST, GLOUCESTERSHIRE—containing ONE MILLION TONS OF COAL, and ONE LION TONS OF total IRON ORE, which, being calcareous, smelts well with argillate ironstone, and may be delivered in large quantities to the Staffordshire, Shrophire Welsh iron-works, at a price far below the cost of local ironstones. The misses are askle by lovel, and can be opened at a trifling expense; and, were blast-furnaces tad, their produce might be smalted on the spot into excellent iron.—Apply (postlet) to Hanry H. Fryer, Esq., solicitor, Coleford, Gloucestershire.

INERALS TO BE LET, ON LEASE, for suc of years as may be agreed on, consisting of IRONSTONE, FIRE-CLAY, FRI
INNE, LIMESTONE, and COAL, in the lands of Mansfield, situated in the parial
see Cumnock, Ayrshire. The lands extend to about 4340 imperial acres.
The Glasgow, Dumfries, and Carlisle Rallway passes through the cetate, and will aff
easy transport of all his minerals to market.
Offers for a lease to be addressed to Messrs. Dundas and Wilson, C.S., 16, St. Andrusce, Edinburgh, who will show a plan of the estate and sections of the borings.

Mansfield House, August, 1847.

ATER-WHEEL FOR SALE, BY PRIVATE CONTRACT.

—A very powerful BREAST WATER WHEEL, 16 feet diameter, by 16 feet is, in excellent condition, made by Mesers. Hewes and Wren, of Manchester. The ole, with the exception of the bucket boards, composed of cast and wrought-iron. The seel is now situated at the Side Mire, Matlock, Derbyshire.

Application to be made to Mr. Thomas Robinson, Tor House, Matlock, Bath.

WHEAL GILL.—FOR SALE, by PRIVATE CONTRACT, reliable, a 50-inch cylinder PUMPING-ENGINE, constructed as the most improved principle, by Hocking and Loam, with boiler, &c., compless—erected in 1846; has had utilitie work, and can be warranted perfect. Also, grinder, balance-bobs, withms, captan, 9, 12, and 15-inch pumps, windbower, deorpieces, H-pieces, 9-feet 19-inch plunger, object, with case, &c., compless within and rod sheaves, kibbles, smiths' and miner's tools, lat-rods, and a green variety of other mining materials, in the base condition.

To view, and for other particulars, application may be made to Capt. N. Faull, on the mine.—Wheat Gill, near Liskeard, Sept. 1, 1847.

OR SALE, a 70-inch cylinder ENGINE, without boilers.
For price, and further particulars, please apply to Samuel Grose, Esq., engine, Gwinear, Camborne.

DO BE SOLD, BY PRIVATE CONTRACT, at GODOL-PHIN MINES, ONE 24-inch STAMPING-ENGINE, 8 fect stroke, boiler, 11 tons. INE 18-inch WHIM-ENGINE, 4 fect stroke, boiler, 7 tons, and cage. MX TUBULAR BOILERS, 11 tons each.

Large IRON BALANCE-BOB, 12 tons.
Application to be made to Capt. R. Williams, on the mines.

Pated Godolphin Mines, Heiston, Cornwall, August 9, 1847.

STEAM-ENGINES FOR SALE.—TWO CONDENSING ENGINES (match), by Murray and Fentom, Leeds—cylinders 33-inch diameter, troke 6 feet, with three boilers, and connections thereto.—Also, TWO FORCE PUMPS, sinch diameter, with a 6-feet stroke each, and ONE FORCE PUMPS, with a 4-feet stroke. The whole in capital working order, and admirably saited for mining willi-work.—Apply to the engineer of the Phoenix Gas Company, west side of the Bridge, oad, at Vauxhall, London.

DUILDING MATERIALS, AT THE EAGLE WORKS.
TIPTON.—TO BE SOLD, BY PRIVATE CONTRACT, a large quantity of valable BUILDING MATERIALS, commisting of BRICKS, TIMBER, SLATES, and TILES
The wholes are to be removed, in consequence of the site of the works being requires
railway purposes.—For particulars apply to Mr. George Payton, at the works.

O IRONFOUNDERS AND OTHERS.—TO BE SOLD,
BY PRIVATE CONTRACT, a powerful BLAST-ENGINE, steam cylinder, 42 in.,
blowing cylinder, 78 in., diameter, complete.

20-horse CONDENSING-ENGINE, with strong botter, nearly new.

A very complete BORING-MILL, with strong lathes and face plate, and Loam and lacking Mill attached.

A very complete WORING-MILL, with strong lathes and face plate, and 2 ft. wide. A 15-60t GASOMETER.

A 16-60t GASOMETER.

Also, a large quantity of MOULDING BOXES and CORE BARS, valuable PATTERNS, and various other EFFECTS, which may be viewed on application to Mr. George Payton.

O CAPITALISTS .- CARMARTHENSHIRE AND GLAMORGANSHIRE, SOUTH WALES.—The AGENT of an extensive estathe attention of frommasters, Colliers, Manufacturers, Farmers, and Capitalists is, to this announcement—he is prepared to ENTER into ARRANGEMENTS wit table PABTLES for the LeASING, on long terms, of VARIOUS DESCRIPTION DEERTY, now the object of public attention—Anthracite and Bituminous Coal an Ironatones, Limestone, Marble, Fig., and other quarries—Fire Clay and Brickland for receding at, and near_a flourishing and fast-tiding commands from for the Leading, the according to the control of th ry, common roads, condition roads, condi

plantage, attention, LEASE?

theap food, labour, fuel, and raw
ran advantage over every other
mag trade in coal alfords as intered
unce of their localities at fless p
manufactured articles. This may
manufactured articles. This may
manufactured articles through

TO BE SOLD, BY PRIVATE CONTRACT, TANFIELD LEA COLLIERY, in the parish of TANFIELD, in the county of DURHAM, containing 400 acres, immediately adjoining the Tanfield Moor Mine, the produce of which has been highly esteemed in the London market, as a manufacturing coal, for many years. The Tanfield Lea Mine contains the following SEAMS:—

ears. The Tanfield Lea Mine contains the following SEAMS:—
The Five-Quarters Seam, 4 feet 6 lines thick, of which 112 acres remain unwrought.
The Brass Hill Seam, 4 feet 9 lines thick, of which 240 acres remain unwrought.
The Hutton Seam, 6 feet thick, of which 250 acres remain unwrought.
The Main Coal Seam, 4 feet 9 lines thick, of which 400 acres remain unwrought.
The Busy Sank Seam, unweithed.
The Brookwell Seam, mostled.
The Brookwell Seam, and the Seam of the Seam

sawing-mill d The shipping pla lasting an agre-lway Conce is situate at South Shields, 16 miles from the colliery, and there is ment to lead the coals, upon certain terms, by the Newcastle and York

DUDINGSTONE AND BRUNSTAIN COAL-FIELDS, near EDINBURGH, To BE LET, as detailed in former advertisements. The he lands, similar to that which has been recently discovered at Gimerton, Dyden, and FlackBAND IRONSTONE may be expected in he lands, similar to that which has been recently discovered at Gimerton, Dyden, and Freenlaw, in the same range of coal strata. Excellent LIMESTONE is known in the ands.—The near vicinity to the City and Portobello, besides other markets now opened by railway, and also the harbours of Leith and Fisherrow, with all which the existing allway, passing through the estate, connects, renders it now very eligible for colliery perations. There are two steam-engines, and other colliery machinery, at the pits, one of which is nearly sunk to the Jewil Coal.

Offers for a lease to be addressed to Mr. Geddes, 49, Albany-street, Edinburgh.

July 29, 1847.

OYAL GEOLOGICAL SOCIETY OF CORNWALL.—
The THIRTY-FOURTH ANNUAL MEETING of this Society will be HELD in a MUSEUM, on the lat of October next, at noon.—The officers and council will assemble the same place, at Eleven o'clock a.m.

R is respectfully requested, that communications intended for the meeting arded to us at the earliest convenience of the authors.

By order,
L. R. WILLAN,
SAMUEL PIDWELL,
SAMUEL PIDWELL,
Penzance, August 31, 1847.

ELECTRIC TELEGRAPH COMPANY.

LONDON, 345, STRAND, September 1, 1847.

COMMERCIAL TELEGRAPH.

COMMERCIAL TELEGRAPH.

The works of the lines for commercial communications, between the places enumerated elow, embracing a SYSTEM of TELEGRAPHS for COMMERCIAL PURPOSES only, and distinct from that reserved for the special use of railways, being so far advanced as a shall of their completion by the commencement of the coming year, the directors think has the time has now arrived, when it becomes their duty to make known the attraspents which they contemplate for the accommodation of the public.

ments which they contemplate for the accommodation of the public.

STATIONS will BE OPENED, in central situations, in the PRINCIPAL TOWNS, whence MESSAGES and DISPATCHES will be FORWARDED TO, and RECEIVED FROM, all the OTHER STATIONS of the ELECTRIO TELEGRAPH COMPANY.

In order to give to Merchauts, Bankars, Manufacturers, and all connected with trude, the greatest possible amount of information, a BOOM will be RESERVED in esch of the COMPANY'S STATIONS for SUBSURIBERS, in which will be received, tabulated, and exhibited, all intelligence of Commercial or Public Interest—for instance;

SHAPE LISTS, from the various Forthages.

SHAPE LISTS, from the various Exchanges.

PRICES OURSENT,
STOCK EXCHANGE LISTS.

CORN MARKETS, from the various Towns.

PRICES OF LIVE STOCK, &c. &c.

PRICES OF LIVE STOCK, &c. &c.

In LONDON, a CENTRAL STATION, suited to the importance of the metropolis, in COURSE OF ERECTION, in the immediate vicinity of the Bank and Royal Exchange in this Station the whole TELEGRAPHIC NEWS of the COUNTEN will be CONCENTRATED, and FORWARDED in EVERY DIRECTION. And here, as in other town a ROOM will be RESERVED for SUSSCRIBERS.

The SUBSCRIPTION to these ROOMS will be TWO GUINEAS per annum, paid the dvance, which will entitis SUBSCRIBERS to the RIGHT of ENTRANCE to ALL the SUBSCRIPTION ROOMS of the COMPANY—including the Central Station at London The foregoing details from of the advantages of the Commercial Telegraph to subcribers; but the requirements of the public in general will be provided for by the establishment of offices, which will as all times be open for the reception and transmission cassages and dispatches; while measurgers will be kept at the various stations, by whom lispatches may be cent out to any part of the town where the communication has been eached by Telegraph at the Commercial Telegraph Office, where any fur rcial Telegraph Office, where any fin

The following a	re the Towns to	which the Commercia	al Telegraph will	be first extended:
London	Chester	Southampton "	Derby	Darlington
Margate	Liverpool	Winchester	Nottingham	" Newcastle
Ramagate	Rotherham	Dorchester	Lincoln	Berwick
Deal	Barnsley	Bristol	Chesterfield	Edinburgh
Dover	Wakefield	Gloucester	Sheffield	Glasgow
Folkestone	Leeds	Cheltenham	Bradford	Scarborough
Canterbury	Halifax	Peterborough	Wisbeach	Bridlington
Northampton	Rochdale	Yarmouth	Lowestoff	Stamford
Coventry	Hull	Huntingdon	Cambridge	. Norwich
Birmingham	Maidstone :	Hertford	Chehnsford	St. Ives
Wolverhampton	Tonbridge .	Manchester *	Ipswich	Ware
Stafford	Gosport	Leicester	York	Colchester
		d and the state of	LEWIS RICA	RDO, Chairman.

Mosers BREIT & LITTLE have now the astisaction of referring, with pride, to the unanimously flattering testimenials of the unbought public press in favour of their ELECTRO-TELEGRAPHIC CONVERSER, which is allowed by all to be so eimple in its construction—so certain in its action—so intelligible in its indication—and so perfect in all its parts, as to render it peculiarly adapted to the conveyance of commercial intelligence, and other messages requiring accuracy of communication. For this purpose, the patentees are determined to great such railway companies as adopt their telegraph, the uncontrolled privilese of uning it to their own advantage for that most profitable branch

TIADUCTS AND OTHER RAILWAY WORK. liway Engineers, Arel ges to be derived from and permanant tects, and Contractors is particularly directed the application of SEYSSEL ASPHALTE, as for arches and roofs, and lining of reservoirs, RIDGE'S PATENT ASPHALTE COMPANY ts of CLAF t with the gr stest promptitude.

tals, it is important that all applications and, as a further professional and as a further professional and a second a second and a second and a second and a second and a second a second and a

TIFICATE for

O ENGINEERS, RAILWAY CONTRACTORS, AGENTS, IRONMASTERS, AND OTHERS REQUIRING MACHINERY and AXLES of every description.—JOSEPH PER ANTI-FRICTION GREASE is—after trials on machinery and axles

PATENT IMPROVEMENTS IN CHRONOMETERS,
WATCHES, AND CLOCKS.—E. J. DENT, 82, Strand, and 33, Cockapur-street,
watch and clock maker, BY APFOINTMENT, so the Queen and his Royal Highness
Prince Albert, begs to acquain; the public, that its measurabeleurs of his chronometers,
the chronometers it is made to be acquain; the public, that its measurabeleurs of his chronometers,
the chronic principles of the chronometers, and clock, is secured by three separate patents, respectively granted in 1836,
1849, 1842. Silver lover watches, jewelled in four holes, 6 gs. esch; in gold cases, from

EAST CROWNDALE MINE.—WANTED TO PURCHASE soft per letter (pre-paid), addressed to "W. R.," Jamaica Coffee-house, St. Michaely, alley, Cornhill, London.

PIG-IRON.—JAMES BANKS and CO. have always FOR SALE SCOTCH FIG-IRON, deliverable, free on board, at the Broomielaw, Port-Dundas, Ardrousas, and in the Frith of Forth, at Charleston.

WILSON & FRASER, 2, WELLINGTON-BUILDINGS, LIVERPOOL, and 13, EXCHANGE-PLACE, GLASGOW, have always ON SALE 1G-IRON, BAR-IROW, RAILWAY CHAIRS, and RAILWAY BARS.

MINING OFFICES, 1, ST. MICHAEUS-ALLEY, CORNEILL, LONDON.
WATSON AND CUELL, MINE AGENTS.
N.B.—STATISTICAL INFORMATION furnished (on application) to SHAREHOLDERS im MINES in Cornwall, Devon, Sectional, reland, Wales, and Spain.
WILLIAM H. SMITH, MINING SHARE AGENT,
10, WARNFORD-COURT, THROGMORTON-STREET, LONDON.

MR. R. TREDINNICK, MINING AGENT AND DEALER IN EVERY DESCRIPTION OF SHARES. THREE KINGS COURT, LOMBARD-STREET, LONDON

JAMES LANE, MINING SHARE DEALER, 75, OLD BROAD-STREET, LONDON.

PRITISH MINING OFFICES, 41, MOORGATE-STREET, in the COPPER and SILVER-LEAD MINES count to the secretary.

MONEY.—MESSRS. WINSTANLEY & CO., Sharebrokers any amount, on the deposit of English and Foreign Railway Shares, Serie, and Debatures, upon exceedingly advantageous terms: they also BUY and SELL every description of STOCK and MINING SHARES, at much less commission than usually charged.

ORIGINAL REGISTRY OFFICE, FOR THE SALE AND PURCHASE OF MINING SHARES.

No. 28, THREADNEEDLE-STREET, LONDON.

CROSSMAN, SOMMERS, AND CO., AGENTS.

Devon and Courtenay Consols
East Wheal Rough Tor
Grat Wheal Frederick In Mine
Grat Wheal Rough Tor
Grat Wheal State Tor
Grambier and St. Anbyn
New East Crowndale
Korth Wheal Camel
Princoss Royal

On the Consols State
West Wheal
With Wheal
Wit

South Wheal Maria South Wheal Sophia Victoria Tin Mining Cor Wheal Susan &c.

31

TO MINE AGENTS, MINE SURVEYORS, &c.—
W. WILTON,
MATHEMATICAL, PHILOSOPHICAL, AND OPTICAL INSTRUMENT MAKER,
Bogs to call the attention of MINE AGENTS and SURVEYORS to his MINER'S THEODOLITE, and other IMPROVED INSTRUMENTS, adapted to MINE SURVEYING;
and to assure them, that, from many years' constant application of his energies in one of
the most active mining districts to this particular branch of mathematical instrument
making, he fatters himself he is able to furnish instruments, equal is point of accuracy
and workmanship, and superior as regards adaptation to the wants of the miner, to those
supplied by almost any other house.

ARTIN Annual General MINES.—At the Annual General day, August 16, 1947.
J. G. MAXWELL, Esq., in the chair.
J. G. MAXWELL, Esq., in the chair. COMBMARTIN AND NORTH DEVON LEAD AND SILVER MINES.—At the Annual General Meeting of shareholders, held at the

The reports and account-current (see another column of this day's Minicharing been read, it was resolved unanimously.—

Moved by Mr. Wilkey, seconded by Mr. Marsh,

1. That the reports and account-current produced, be received, approved of, sent to each shareholder.

Moved by Mr. Thorne, seconded by Mr. Loveday,

2. That the best thanks of this meeting are due, and be now presented, to Mwell, Harris, and Dovell, for their unremitting exertions as directors of this could be requested to accept their re-appointment for the ensuing year.

Moved by C. Roberts, Eq., seconded by Mr. Cole,

3. That Mesars. Avery and Cotton be requested to discharge the duty of the ensuing year, with the thanks of this meeting for their past services.

Moved by C. Roberts, Eq., seconded by Mr. Marsh,

4. That the thanks of this meeting be given to the chairman, for his able the chair.

ks of this meeting to the chairman, for his able eting be given to the chairman, for his able J. G. MAXWELL, C

LANCYNFELIN MINES COMPANY.—At a Special General Meeting of the shareholders in this company, held this day,

General Meeting of the ahareholders in this company, held this P. STAINSBY, Esq., in the chair,
The circular convening the meeting was read:
The accounts, made up to the present time, showing a balance due f. 42316 11s. 9d., were read, and
The resolution to dissolve the company, and empowering the directed hiery and materials, was carried unanimously.
A resolution was also passed, involving the adoption of the accounts.

FORGIA TIN MINES, divided into 2048 shares, and worked ON THE COST-BOOK SYSTEM.

The necessary arrangement having been made for carrying out the operations of the company, all future communications are requested to be addressed to the offices of the company, 21, THROCHORTON-STREET, LONDON, where the specimens and plans, with the correspondence, may be seen.

DCOCK'S PATENT SPRAY PUMP.—This important A DCOCK'S PATENT SPRAI PUBLY.—Into Support Invention having been PERFECTED, and brought into SUCCI PRACTICAL OPERATION at LLANHIDDEL, at pits belonging to R. J. Blewi M.P., Llantarnam Abbey, near Newport, Monmonthalire, the PATENTEE is EECEIVE, and to execute, ORDERS.—Apply to Henry Adocade, C.E., at his officerand, London, where pamphlets, descriptive of the invention, may be had: at to of the Mining Journal, 26, Fleet-street; and through any respectable bookseller—

SSAYING AND ANALYSIS.—Mr. MITCHELL begs to inform the MANAGERS, &c., of MINES, SMELTING-WORKS, and MANUFACTES, that he still continues to CONDUCT ASSAYS and ANALYSES of all PROTES, metallurgical and manufacturing, at his LABORATORY.

23, HAWLET-ROAD, KENTISH TOWN, LONDON, in the address communications are to be forwarded.—Instruction in all branche of ing and analysis as usual.

BRUNTON'S PATENT ORE-DRESSING FRAME
These FRAMES, for DRESSING TIN, COPPER, and OTHER MINERALS, has

The heir adoption. The folio Sons; P. N. Johnson, Es ives Consols; Capt. R. L. James Miners, and Ca

THE. PATENT SAFETY FUSE

FOR BLASTING ROCKS IN MINES, QUARRIES, AND FOR SUBMARIN

OPERATIONS—This article affords the SAFETY FUSE

TIOUS MODE of effecting this very hazardous operation. From many testimonies to it

dom, they select the following letter, recently received from John Taylor, Ed., F.E.

set.—'I am very glad to hear that my recommendations have best of any services

you; they have been given from a thorough conviction of the great usefulness of the

Safety Fuse; and I am quite willing that you should employ my name as evidence of this.

Manufactured and sold by the Patentees, BICKFORD, SMITH, and DAVEY.

DATENT GALVANISED IRON AND WIRE ROPE WORK

ANDREW SMITH begs to inform the Mining, Railway, and Shipping interests, that
has obtained a PATENT for an IMPROVED METHOD of GALVANISING IRON, pe
ducing a much superior article at a considerable swing in cost—the improved process
galvanisting wire rope, adding only fift per tor inneced of 250, nasher the ordinary pr
conses. The rope is extensively used in dainy situations, we mining and railway in
poses, and for ships standing ringing.

BOILER EXPLOSION.—The beller of the Firebrand, one of the mployed on the River Tyme, burst one day last week, as the vesseling into Shields harbour. One of the tubes gave way, and the stoward underneaththe deck, and destroyed the fore-cabin, absteric ead and the entire wooden partitions to pieces. Fortunately, no ow at the time; but the steam rushed up one of the hatchways, an oy, named Foreman, in the face. Deficiency of water is said to ha mediate cause of the accident.

ARKWICK'S PATENT CHEST PROTECTORS.—This sesson a TRAVELLING CHEST PROTECTOR, to wear over the shirt, will be duced; and, as it must meet with general patronage, the attention of hosiers and was is called to these valuable articles: they are also well adapted for ladics' wear, ir a shawl, during damp or piercing cold weather.—MARKWICK'S IMPERMEABLE INE is invaluable in cases of good; rheumatism, tie doloureus, sore throat cold, and dry hot feet and hands, &c. Socks, gloves, knee caps, head caps, throat protectors, see made from this material, from which any other article may be had, according to order of the medical or surgical adviser.—Mr. ALFRED MARKWICK'S NEW IK **ON THE SKIN,** just published by the Patent Epithem Company, price 2s. 6d., to had of all respectables chemists in every town in England. 41

The JAMES MURRAY'S FLUID MAGNESIA.—Prepured under the immediate cars of the inventor, and established for upwards of 30 years of the profession, for removing BILE, ACIDITIES, and INDIGESTION—restoring TPETITE, preserving a moderate state of the bowels, and dissolving uric acid in GRACEL and GOUT; also as an easy remedy for SEA SIGENESS, and for the febrile affects incident to childheed it is invaluable.—On the value of magnesis, as a remedial agent, is a musessary to enlarge; but the fluid preparation of Sir James Murray is now the retions usually resulting from the use of the article in powder, and in the over-desed quies of detected funtators.—Sold by the sole consignes, Mr. Balley, of North-street, Calverhampton; and by all wholeads and vetalitragarists and medicine agents through at the British ampire, in bottles, i.s., 2s. 6d., 3s. 6d., 5s. 6d., 14s., and 23s. each.

The Acidialated Syrap, in bottles, 2s. each.

UNDER ROYAL PATRONAGE.

EATING'S COUGH LOZENGES are indispensably neces
sary, both for the Cure and Prevention of Coughs, Astematic, and all Pulmonar
implaints, during this changeable weather.

CURE OF COUGH OF EIGHT YEARS' STANDING, ACCOMPANIED WITH

STR.—I have been afflicted with a severe cough and shortness of breath for nearly eight
sars, and after trying various remedies, tild not find myself any better. I purchased a
san and after trying various remedies, tild not find myself any better. I purchased a
san based of KARTING'S LOZENGES of you, from which I found great benefit. The
scored box, 2s. 9d. size, completely cured me, and I can now breathe more freely, and
ma free from cough ac ever I was in my life. Hoping that others, similarly afflicted,
fill avail themselves of no cortain and safe a remedy.
If we have been afficiently to the same of the cortain should be a remedy.
To Mr. Geo. H. Howell, chemist, 72, Dale-street, Liverpool.
The same of the cortain should be same of the same

EMONNIER, HAIR-WORKER to the Queen, and Hember of the Academic de Findustrie, and who obtained a Silver and Platina Medal at the Exhibition, has just INVENTED several NEW DESIGNS, as Falar Trees, Wreaths, Knois, and Cypbers, which he executes with hair in its natural state, without using gum or a sarriery of Trees executed by a mechanical process.

No. 13, RUE DU COQ SAIST HONORE, PARIS.

ON NERVOUS DEBILITY & GENERATIVE DISEASES.

—Just published, the Trirtieth Thomsuol, an improved edition, revised and corrected, 120 pages, price 2s., in a sessed envelope, or forwarded, post-paid, to any address, secure from observation, for 2s. 6d., in gostage stamps, illustrated with numerous anatomical coloured engravings, "MANHO(D): the Causes of its Fremature Decline, with Plain Directions for its Ferseck Beadvarian." A readeal essay on those diseases of the generative organs, smanating from solitary and sedentary habits, indiscriminate excesses, the effects of climate, and infection, &c., addressed to the sufferer in Youth, Manhood, and Old Age; with practical memarks on marriage—the treatment and care of nervous and mental debility, impotency, syphilits, and other u-ino-genital diseases, by which even the most shattered constitution may be restored, and reach the full period of life allotted or man. The whole illustrated with numerous anatomical engravings on seed, in colour, explaining the various functions, secretions, and structures of the reproductive organs in nealth and disease; with instructions for private correspondence, case, &c.

By J. L. CHETIS and CO., Consulting Surgeons, 7, Frith-street, Soho-square, Longon Expressed of the the work will serve as a beacon to warn them of the danger effections upon the too rash indulgence of their passions, whilst to some it may serve as a monator in the hour of temptation, and to the afflicted as a sure guide to health."—

Review We feel no hestitation in saying, that there is no member of society by whom her book will not be found useful—whether such person hold the relation of a parent, a meceptor, or a elegymmn."—Sun, Evening Paper. "Curtie on Manhood should be in the hour of temptation, and to the afficient and the designing."—Sunded Service Guestle.

Multihed by the authon, and may be had at their residence; sold also by farrange, 2t, attennoster-row; Hannay, 65, Oxford-street; Mann, 39, Cornbill, London; A. Heywood, littlesses, 80. 7, Prith-street, N NERVOUS DEBILITY & GENERATIVE DISEASES.

rately forwarded them, by initial or otherwise, to any part of the United Kingdom, direct from the authors' residence; or room any of the above agents, on remitting 2s. 6d. in pestage stamps.

ON THE SECRET INFIRMITIES OF YOUTH AND MATURITY,

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that had been psychonely taken by the Seaks. The result of this determination was, that the Seake worked the morning express mail on Monday and yesterday, but the order for her to take out the truin on Monday seashed those in authority at the Canden Townstation at an hear that gave the driver scarcely sufficient time to get his engine in the best peasible order. She came down the Candess Town incline, it is true, with hot-water in her tender, but not quite so hot as could be desired in what might be termed an experimental trip. The train on Monday morning was late, and a slight side wind prevailed throughout the trip to Wolverton. The following is the working in detail. The load taken was 41 carriages, or about 55 toms. It is to be preclicated, that for many the shad, de-

	Euston-	h. m. a.	Time per mile, Miles per hour.
		** ** 315	
Mile po		00.00	m.s.
			1.19 45.6
			1.18 46.2
			1.24
			1.29 10.4
			1.30 40.0
			1.29 40.0
13	*******	33.3	
			1.23 43.4
35		35.48	1.22 43.9
16		37.07	45.6
17		38.22	1.15 48 0
18		39.41	45.0
19	*********	00.00	0.00 0.00
20		42.18	2.37 46.7
21		43.89	1.91 44.5
99	** ** ***	45.04	1.25 42.4
.23		46.30	1.26 41.9
24	********	47.53	1.23 43.4
25		49.16	1.23 43.4
27		00.00	0.00 00.0
			2.52 41.9
			0.00 00.0
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	me 10h 80		

Mile posts.	h. m. s.	Time per mile. Miles per hour.
35	6.43.08	0.00 00.0
35	. 0.44.16	1.06 52.9
37	0.45.21	******* 1.85 ***** 85.4
28	. 0.46.28	1.04 56.3
39	0.47.35	

The return trip with the London, with the night express, was, excepting the down working made by her yesterday, when attached to the five o'clock express, the best we have ever witnessed on the narrow gauge. The train consisted of ten carriages, weighing about 50 tons, exclusive of the engine and tender. The tender is a very capacious ose, and was originally siteseded to carry sufficient water for a train for run to Kuppy (63 miles) without stopping. It weights 20 tons, or between 5 and 5 tons more than is necessary, so that the engine may be fairly said to lave taken a train of 11 carriages, er 55 tons.

The train should have started at 9.30, but did not leave Wolverton till 9.46.30, or 16s minutes after time. We arrived at Tring, about 21 miles from Wolverton, at 10 h. 14m. 5., and made a stoppage there of 4 m. 15 s. Between Tring and Watford, we occasionally caught sight of the mile-posts, and found that the speed was from 62 to 64 miles per hour. On emerging slowly from the Primrose-hill tunnel, the driver had the red eignal against him, and he brought his train to a state of rest about 150 yards on the tunnel side of the Challs Farm-bridge, at 10.82.5, having run shout 30 miles in 33 nd. 45 s., including the time lost in getting up speed when departing from Tring, and in running slowly through the Primrose-hill tunnel, and coming to a state of rest. The average speed, ever about 25 of these 30 miles, was 60 miles gar hour.

The morning mail, taken down yestenday by the faste, consisted of 14 carriages, weighing about 24 tons. The average speed, from the 4th to 3.5t miles post, was about 41 miles per hour.

slowly through the Primrose-full tunnel, and coming to a state of rest. The average speed, ever about 25 of these 35 miles, was 65 miles pri hour.

The morning mail, taken down yestenday by the finele, consisted of 14 carriages, weighing about 94 tons. The average speed, from the 4th to 1six milespost, was about 41 miles per hour.

The best trip yet made on the narrow gauge, was with the Lenden, with the 5 o'clock express train, on Tuesday afternoon. It consisted of sight carriages, weighing 40 tons. We went down with Captain Huish, who was evidently much gratified with the high and regular speed maintained over the heaviest gradients between Euston-square and Tring. The train, though weighing 40 tons, may be fairly astimated at 45 or 47 tons, when we bear in mind the perfectly unnecessary addition of some 3 or 7 tons weight of Mr. Crampton's tender. The train leff Euston-aquare at 5 h. Im. 45 s., and performed the first 4 miles in 6 m. 14 s. The 5th mile, which is partly on a rise of 1 in 603, and partly on a level, was gone over at the rate of 51.4 miles per hour. The 6th mile is on a level, and was done at the rate of 51.4 miles per hour. We have then a rising gradient of 1 in 1606, and this was gone over at nearly 54 miles per hour. We have then a rising gradient of 1 in 1606, and this was gone over at nearly 54 miles per hour. We have then a rising gradient of 1 in 1606, and this was gone over at nearly 54 miles per hour. We have then a rising gradient of 1 in 1606, and this was gone over at nearly 54 miles per hour. We have then a rising gradient of 1 in 1606, and this was gone over at nearly 54 miles per hour. We have then a rising gradient of 1 in 1606, and this was gone over at nearly 54 miles per hour. We have then a rising gradient of 1 in 1606, and this was gone over at nearly 54 miles per hour. We have then a rising gradient of 1 in 1606, and 1600 miles per hour. The train of 1000 miles per hour.

		Trime	PACE	mate.	PALLEGS	per hour.
0.11.29	******		0.0			0.0
0.12.37			1.8			52.9
0.13.46			1.9			52.2
0.14.55	*******		1.9	*****		12.2
0.16.3			1.8	******		52.9
0.17.13	*******		1.40	******		5174
	0.12.37 0.13.46 0.14.55 0.16.3	0.12.37 0.13.46 0.14.55 0.16.3	0.12.37	0.12.37 1.8 0.13.46 1.9 0.14.85 1.9 0.16.3 1.8	0.12.37 1.8	h.m.s. Time per mile. Miles 0.11.29 0.0.0 0.12.37 1.8 3. 0.19.46 1.9 0.14.55 0.14.55 1.5 0.16.3 0.17.13 1.16

Mile posts.	h	. m. s.	Time	per mile.	Miles	per hour.
		0.18.26	*********		*******	49.3
14		0.19.40	*** ******	1.14	*******	48.6
15		0.20.52	**********	1.12	******	50.0
16	(0.22.0	*********	1.8		52.9
17	1	0.23.5		1.5	*******	55.4
18	********	00.00		0.00	*******	0.00
19	********	00.00		0.00	*******	0.00
20		26.19	** ** ** ** ** **	3.14		55.6
21		27.24		1.05	** ** ***	55.4
22		28.29	**********			55.4
23	********	29.34				55-4
24		30.39				55.4
25		31.44				55.4
		32.49				55.4
27	*******	00.00	**********			0,00
28	********	34.59				55.4
29	********	00.00				0.00
30	*******	37.13	**********			53.7
	*******	38.22	** *** ** ***	1.08		52.9
Stopped at To		39.56				0.00
Started from	ditto	41.58	**********			00.0
32	********	00.00	**********			00.0
33	** ** ** * * * *	43.40	**********			00.0
24		44.41	******* . ****			80.7
	********	45.48	**********			86.3
36	********	46.45	**********			60.0
37	********	47.44		0.594		60.5
	**** *****	48.44		1.00		60.0
89		49.44				
40	*******	00.00		0.00	*******	00.0

a writer to seen on whilling	Mar. The animal of the capture were perfection
41 6	.1.42
42	3.5 1.23 43.4
43	4.19 1.14 48.6
44	5.26 53.7
45	6.38 50,0
46	7.50 1.12 50.0
47	8.56 1.6 34.5
48	9.59 57.1
	11.2 1.3 87.1
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	13.12 1.7 33.7
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19. Patermeter, London. Publisher by the Authors; Son by Strange.

19. Patermeter, Co., Hanga, S., and Sanger, 150. Notice steres; Sarty, 29. Thickborn-street, Baymarket; and Gerfon 164. Leadenhall-street.

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THE COPPER DUTIES QUESTION.

[Continued from lost seed: Missing Journal.]

I will carry this inquiry a little fartther, and will show that there is owe, among copper mines in Cornwall, which has disburzed, in this country, within the same p of nine years, a sum, paint a wages, and for the purchase of materials, exceeding the gregate sums as circulated through the medium of the whole of the foreign mines sup as with once, by the kindness of the proprietors and purser of this mine, I am enable per mines.

Per mines, the money put into circulation by its cost or disbursements, during the passars, from 1885 to 1866, both inclusive, was to no less an amount than 581,002%. I allude to the celebrated copper; than the entire amount put into circulation by its cost or disbursements, during the passars from 1885 to 1866, both inclusive, was to no less an amount than 581,002%. The passars as access. I men and the cuties of the celebrated copper in the circulation of the foreign mines, as above estimated, 285,444, there passars as access. I men at the cuties of the control of the carried control of the cuties of passars and cuties of the cuties. I can always a cuties of the cuties of the cuties of the cuties of the cuties of t

he employment or atmost manual and destroyed for the manual and enterprising properties—should be destroyed for the manual and enterprising growth?

Let me again advert to the vain-boasting of the importers of foreign ores as to the circulation of capital from labour and materials in the foreign mines, to which, however, I calculate to the core said. I will enter a state of capital from about and of per cent, of the value of the one said. I will enterprise and the per cent, of the value of the one said. I will enterprise and a laws so design to the expenditure of the Cornish mines in wages and materials: and as I have no design to the expenditure of the Cornish mines in wages and materials: and as I have no design to the expenditure of the Cornish mines in wages and only manual and as I have no design to the expenditure of the Cornish mines in wages and only administration. the expenditure of the Cornish mises in wages and naterials: and set like nate the capenditure of the Cornish mises in wages and naterials: and set layer so deconced, in the slightest degree, the grounds or basis of my statements. I will of that, in 1843, when the question of the duty was under consideration, a return w tained, from 37 copper mines, of the produce, in quantities and waits, of the copper raised by them; and a detailed account of the expenditure in each case, under the of wages and materials, for the three years, 1839, 1840, 1841. Acting upon the produce in making that return, I have thrown the whole question into the followin figures—having made the estimates for the same nine years, 1835 to 1846, for whire the same already drawn up so many other accounts:—

The total produce in copper orea, sold at the ticketings in Cornwall, in the nine years, frees Midsaummer, 1888, to Midsaummer, 1847, was 1,379,765 tons. The preduce of which, in money was.

	the three years, 1839 to 1841—then the outgoings for the 9 years would be	6,383,769
	Of which was in labour	£4.634.578
1	Iron, steel, castings, and hardware	351,089
A)	Candles, tallow, and oil	
٠	Timber	250,007
Š	Gunpowier and fuses	
В	Leather	
J	Numerous other articles, under 20,000t each	124,685
ij	A CONTRACT AND STATE OF THE PROPERTY OF THE PR	67429

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MINES, METALLURGIC ESTABLISHMENTS, &c., OF BELGIUM.

IV. SUMMARY RELATIVE TO THE COAL MINES.

The following is a general summary of the returns relative to the coal mines of the whole kingdom:—

Mines conceded	1839.	1840.	1841.	1842.	1843.	1844. 201
Mines conceded }	136	124	117	112	110	108
Surface of mines conceded (hec.)	65,032 60	69,176 0	71,773 40	74,589 80	77,083 17	89,151 0
Surface of mines conceded provisionally (hec.)	57,617 70	54,757 70	52,445 20	50,836 90	47,799 48	40,977 43
Mines worked	257	241	237	229	219	212
Mines left unworked	. 45	58	63	71	86	97
Sites of extraction in activity	483	497	460	450	427	406
Ditto, for which constructions were making	134	109	110	118	122	134
Number of work- men engaged in the pits	37047	39,150	37,629	39,902	37,503	38,490
Quantity extracted ?	3,479,160	3,929,964	4,027,766	4,141,463	3,982,274	4,445,240
Value (francs)	45,123,595	46,343,285	42,511,300	38,088,326	36,177,465	39,844,191
Average produc- tion of each shaft }	7203	7907	8756	9203	9326	10,949
Do. by 100 men (do.)	9391	10,038	10,704	10,376	10,618	11,549

The annual production of coal in Mons, Charleroy, and Liege—the three great centres of production—shows that it increased, from 1836, from 584,000 to 996,040 tons. Charleroy increased its production from 743,000 to 1,276,500 tons; but, in the eight years, the production of Mons underwent some very striking fluctuations. The production of Namur and Huy increased moderately to about 1839; but, at that time, the production of the former increased, and that of Huy diminished.

The returns set forthsome details respecting the connection of companies with coal mines. The number of mines acquired by companies, called societies unonymes, or in which they were interested, showed, from 1834 to 1836, an increase of 194 per cent. of the portions of the mines worked, and of 42 per cent. in the production; and, from 1839 to 1844, the former diminished 16 per cent., but the production increased 27 per cent. The increase in the parts worked in the pits held by old-companies increased 56 per cent., and the production 27 per cent., in the period from 1844 to 1838; and, in the period from 1839 to 1844, the former diminished 10 per cent., and the latter increased 27 per cent.

METALLIC MINES.—I. PROVINCE OF HAINAUT.

METALLIC MINES .- I. PROVINCE OF HAINAUT.

During the period from 1839 to 1844 the number of metallic mines did not increase. There were only two from mines situated in the district of Charleroy, in the communes of Gerpinnes and La Buissière. They comprised an extent of 2559 hectares of land. In other communes, also, iron ore was allowed to be procured, in virtue of a simple declaration made to the provincial administration, conformably to article 59 of the law of 21st April, 1810. The number of communes in this province in which the free working for iron ores was allowed was, in 1839, 7; 1840, 7; 1841, 9; 1842, 7; 1843, 6; 1844, 7.

The two hauts-fourneaux erected at Pommerceul having ceased to be

1842, 7; 1843, 6; 1844, 7.

The two hauts-fourneaux erected at Pommerceal having ceased to be carried on in 1841, the extraction of iron ore ceased almost at the same time in the first division of this province. The works were carried on not far from Tournay, in the communes of Vaula, Guarain-Ramecroix, and Chercq. The working of the deposits of ore took place throughout all the province by means of subterranean galleries. The number of such deposits in activity was—in 1839, 52; 1840, 51; 1841, 78; 1842, 48; 1843, 30; 1844, 72. The maximum depth of such workings was—in 1839, 25 metres; 1840, 25; 1841, 55; 1842, 28; 1843, 35; 1844, 32 metres. The average depth in each of these years was 7 metres, 13, 16, 26, 28, 27 metres. To extract the ore, the machine, called a treuil, was everywhere employed. In the mine of La Buissière there was a little steam-engine, of eight horse-power, to take off the water; but, in the other mines, the same machines were employed for removing the water as for extracting the ore.

The number of workmen employed in the iron mines of this province

were employed for removing the water as for extracting the ore.

The number of workmen employed in the iron mines of this province was—in 1839, 120; 1840, 146; 1841, 306; 1842, 195; 1843, 102; 1844, 273.

The average day's pay of each man was—in 1839, 1 fr. 25 c.; 1840, 1 fr. 35 c.; 1842, 1 fr. 20 c.; 1843, 1 fr.; 1844, 1 fr. 20 c.

The quantities of iron ore extracted were—in 1839, 35,700 tons; 1840, 48,300; 1841, 40,953; 1842, 36,756; 1843, 15,673; 1844, 30,137 tons.

The value of these ores, when washed, was, for each of those years, 225,480 fr., 317,126, 238,721, 236,664, 119,767, 228,606 fr.

All the ore extracted was employed in the metallurgic establishments of the province of Hainaut. The establishments, however, of the second district obtained the greater part of their supplies from the province of Namur.

IL PROVINCE OF NAMUR AND LIEGE

IL PROVINCE OF NAMUR AND LIEGE.

The metallic mines conceded were—in 1839, 22; 1840, 25; 1841, 26; 1842, 26; 1843, 26; 1844, 28. The surface conceded was, in each of those years, in hectares, 29,165, 30,032, 30,337, 30,337, 30,337, 30,630. Of the 28 mines, in 1844, 16 were of iron, 6 lead, 1 lead and pyrites, 2 pyrites of iron, in the first district; 2 of lead, 1 of lead and iron, in the fourth district. Free concessions of iron ore, in some communes of this province, were established, in execution of the law of 1810. The number of such communes was—in 1839, 27; 1840, 33; 1841, 33; 1842, 36; 1843, 32; 1844, 37. In the number of places which were worked for the extraction of ore, some were open to the sky, others were underground. The number was, of the former—in 1839, 66; 1840, 53; 1841, 50; 1842, 47; 1843, 63; 1844, 62: of the latter—in 1839, 383; 1840, 356; 1841, 313; 1842, 431; 1843, 379; 1844, 366. From the manner in which the workings were carried on, it is impossible to state the average depth of each with correctness; but, in the third district, it was 20 metres, and in the fourth 15 metres.

correctness; but, in the third district, it was 20 metres, and in the fourth 15 metres.

The extraction of ores took place by means of spades and wheel-barrows, and by treuils. The number of workings in which the former was employed was—in 1839, 62; 1840, 50; 1841, 48; 1842, 43; 1843, 59; 1844, 57; and the latter, in each of those years, 387, 359, 315, 436, 382, 403.

In 1843 a gallery served for the conveyance of ore in one of the workings of the province of Luxemburg. It was only in the third district that steam-engines were employed for removing water from mines. The number in the province of Namur was—in 1839, 5 of 70 horse-power; 1840, 6 of 85; 1841, 7 of 99; 1842, 8 of 117; 1843, 9 of 153; 1844, 9 of 209 horse-power. There also existed, in the second division of the province, eight galleries for taking off water. In some small workings treuile were employed for the same purpose.

The number of men employed was—in 1839, 1318; 1840, 1217; 1841, 4187; 1842, 1565; 1843, 1384; 1844, 1348. The men who extracted iron ore generally took the job at their own risk, so that it is impossible to state the average of their daily salary, as it varied immensely—the men sometimes making very large profits, and at others getting almost nothing.

The following was the quantity of the ores produced, and their value:—

The following wa	s the qu	ua	ntity of	the	e ores p	mo	duced,	an	d their	va	lue:-
-127 1 100 100 107 307	1999		IRON	01	M.						
Production (tons) Value (francs)	113.431	**	116 9191		110 984		144 001		* 10# 00W		1844. 152,954 965 761
Production (tons)	135,100		63.350	01	34,338		330,192		347,350		326
Value (francs)			PYRITES	OF	BOIL	**	*83,746	•••	29,827		23,000
Traine (form)	A CONTRACTOR OF		500		1200		1700		1700		1530

.. 10,000 .. 24,000 .. 34,000 .. 34,000 .. 30,6

III. PROVINCE OF LIEGE.

The number of metallic mines conceded in this province did not vary in the period from 1839 to 1844: it was ten; consisting of mines of iron, lead, and calamine. There were, also, in the province, five concessions for

the working of alum schistes. The superficial extent of these fifteen concessions was 12,159 hectares. Iron ore was also obtained in different localities, pursuant to the law of April, 1810. The number of communes in which free workings for ore were carried on was—in 1839, 35; 1840, 34; 1841, 31; 1842, 30; 1843, 9; 1844, 20. With the exception of three places, in which the working of metallic mines was completely open, all the different deposits were underground. The number of underground workings nich the working of metallic mines was completely open, all the t deposits were underground. The number of underground worki in 1839, 112; 1840, 102; 1841, 95; 1842, 66; 1843, 45; 1844, 88.

was—in 1839, 112; 1840, 102; 1841, 95; 1842, 66; 1843, 45; 1844, 88.

The ores were brought to the surface by horizontal galleries, or by the aid of treuils. The steam-engines employed to take off the water were—1839, 1 machine, representing 8-horse power; 1840, 1, 8-horse power; 1841, none; 1842, 2, 37-horse power; 1848, 2, 37-horse power; 1844, 3, 67-horse power. In addition to the above, two hydraulic wheels, of 50 and 120-horse power, were also employed for the same purpose, as were likewise 12 galleries. The number of men engaged in working the metallic mines in this province was—in 1839, 704; 1840, 710; 1841, 793; 1842, 662; 1843, 715; 1844, 1187. Their average daily pay was—1839, 1 fr. 37 c.; 1840, 1 fr. 39 c.; 1841, 1 fr. 36 c.; 1842, 1 fr. 46 c.; 1843, 1 fr. 32 c.; 1844, 1 fr. 15 c. The quantities of ore produced in the province of Liege, and the value of them, were as follows:—

		IBON	0	RE.	Burns		
	1839.	1840.		1841.	1842.	1843.	1844.
Production (tons)	43,846	 27,298		22,666	 19,101	 20,794	 31,286
Value (francs)	499,326	 279,184				 196,760	 178,976
		EKAI	0 0	BE.	24117	1000	110120
Production (tons)	36	 3		-	 719	 402	 328
Value (francs)	3960	 330		-	 78,320	 41,720	 68,990
A STATE OF THE PARTY OF THE PAR		CALA	MI	ME.		1	1
Production (tons)	18,148	 20,482		18,830	 14,466	 25,668	 22,689
Value (francs)	721,205	 804,990		741,550	 716,440	 992,410	 1,461,190
	11.00	ALUM 8	CH	ISTES.		1114	164 2100
Production (tons)	4001	 3565		3096	 4914	 9405	 7401
Value (francs)	5321	 4812		4180	5535	12,508	13,323

All the ores were smelted in the province. IV. SUMMARY OF METALLIC MINES.

The following is the general summary relative to the working of metallic mines in the whole kingdom:—The production of iron ore did not present any very remarkable variations. The excessive extent to which the workings for that ore were pushed in 1836, appeared to threaten a reaction from 1838; but there was only a return to the normal state, to an average activity proportioned to the wants of the period. The extraction of lead ore, and of alum schistes, received a somewhat considerable extension in 1842, 1843, and 1844. That of zinc underwent no alteration worthy of particular mention. The employ of 6630 tons of pyrites in five years, for the manufacture of sulphuric acid, is a remarkable fact.

The number of concessions of metallic mines, &c., was as follows for

The number of concessions of metallic mines, &c., was as follows for

6	whole kingdom:-				170 89.17			
	Number of sections, in those of se	cluding	Surface conceded. Hectares.	Communes will free workings of iron ore.				
		***************************************	43,883 33					
	1840 42	***************************************	44,750 33					
	1841 43	******** * **	45,055 33	***********	. 73			
	1842 43	** ** ** ** ** ** ** **	45,055 33	* ***********	. 73			
	1843 43	** ** ** ** ** ***		***********	. 47			
	1844 45		45,148 00		. 54			

ESTABLISHMENTS FOR THE TREATMENT OF ORES, &c .- I. PROVINCE

OF HAINAUT.

In 1843 the province of Hainaut possessed 120 mineral establishments, in 96 of which iron ores were treated, and 24 were occupied in the manufacture of glass. They employed 2679 men, 55 steam-engines of 2389-horse power, 5 hydraulic wheels, and 24 maneges. In 1844 the number of these establishments slightly increased: it became 125—100 for iron, 25 for glass—employing 2709 men, 57 steam-engines of 2318-horse power, 8 hydraulic wheels, and 24 maneges. Four-fifths of these establishments were situated in the arrondisement of Charleroy. From 1843 to 1844 the number of establishments did not increase; but, in the latter year, the production was greater.

number of establishments did not increase; but, in the latter year, the production was greater.

In 1843, there were were, in Hannaut, 18 hauts-fourneaux in activity—10 of which were fed with charcoal, 8 with coke; in 1844, there were 12 furnaces in activity—2 of the former class, 10 of the second. The number of affineries in activity, in 1843, was 55—of which 12 were fed with charcoal, 43 with coal; but, in 1844, there were only 50 in activity—13 charcoal, 37 coal. The average price of east-iron, in 1843, was 92 fr. per ton; 1844, 89 fr.;—iron, 1843, 213 fr.; 1847, 203 fr.

The following tables show the quantity and value of the products, and the quantity and value of the fuel consumed in the different descriptions of establishments, in 1843 and 1844: nts, in 1843 and 1844:-

Samuel and the same and the same	1843.			
and the control of the		Produ	etion.	Fuel con-
Designation of Furnaces, &c.	Description of manufacture.	Quantity. Tons.	Value. Francs.	sumed. Tons.
Hauts-fourneaux Coke Charcoal. Affineries of English system Iron Charcoal. Fendries Martinets et Platineries Iron Foundries Mannfactories of Glass	dittodittoIron en vergeIron ouvréCast-fron moulée	2,048 16,989 1,485 106 1,391 4,637	3,302,580 265,590 3,478,639 462,625 31,800 543,068 970,593 3,784,145	56,909 coke 2,860 char. 39,869 coal 2,267 char. 36 coal 5,066 ditto 3,299 ditto 37,247 ditto
	1844.			

and all thought I Care of the of	December of	Produ	ction.	Fuel con-
Designation of Furnaces, &c.	Description of manufacture.	Quantity. Tons.	Value. Francs.	sumed. Tons.
Hauts-fourneaux {Coke C	Cast-iron	41,956 1,995	3,646,111	65,494 coke 2,894 char.
Affineries of English system I	ron	18,058 1,346	3,551,738	40,700 coal 1,447 char.
Fendries	ron en verge	337 1,490	97,118 706,150	657 coal 94 ditto
Iron Foundries	Cast-tron moulée	3,607	764,361 3,977,625	4,957 ditto

II. PROVINCE OF NAMUR.

The number of mineralurgic establishments was 82 in 1843 and 1844 The number of mineralurgic establishments was 82 in 1843 and 1844 In 61 iron was treated or prepared, in 1 steel, 1 lead, 8 copper, 1 glass In 1843, the number of workmen was 877; it descended to 865, if 1844. There were 7 steam-engines, of 128-horse power; 124 hydraulic machines; 3 machines worked by men, and 1 by horses. In 1843 and 1844, the production of cast-iron and iron declined. In the former yeat there were 22 hauts-fourneaux fed by wood, 3 by coke; 40 affineries by coke, 1 by coal. The production was 20,794 tons of cast-iron—value 1879 of the angle 4138 tons iron—value 1870 feb.

coke, 1 by coal. The production was 20,794 tons of cast-iron—value, 2,167,290 fr.; and 4138 tons iron—value, 1,249,130 fr. But, in 1844, there were only 16 hauts-fourneaux by charcoal, 3 coke; 43 affineries in activity (charcoal), 3 coal. The production was 17,541 tons cast-iron—value, 1,876,196 fr.; and 1671 tons iron—value, 4,77,699 fr.;

The diminution in the cast-iron was principally in the furnaces fed by coke. The average prices per ton were—in 1843, cast-iron, 104 fr.; iron, 302 fr.: in 1844, cast-iron, 107 fr.; iron, 286 fr. Among the descriptions of iron elaborated were 50,610 kilogrammes sheet-iron—value, 187,257 fr. In 1824, the quantity of lead manufactured was 106,560 kilogrammes—value, 48,294 fr. The production of glass and crystal, in 1844, may be estimated at 300,000 fr. The mineralurgic establishments of Namur consumed, in 1844, about 4167 tons of coal, 10,010 tons of coke, and 23,205 tons of charcoal.

III. PROVINCE OF LUXEMBOURG.

All the metallurgic establishments of this province, in 1844, 31 in number, were devoted to the treatment and elaboration of iron. They employed, in 1843, 55 men, 44 hydraulic wheels; and in 1844, 163 men, and 30 hydraulic wheels. At the end of 1844, there were no steam-engines in the province. In 1843, there were 8 hauts-fourmeaux fed by charcoal, and 10 affineries. The production was 5480 tons of cast-iron—value, 699,745 ft.; and 865 tons of iron—value, 249,550 fr. In 1844, there were only 7 furnaces, and 5 affineries for charcoal. The production was, 3428 tons cast-iron—value, 477,142 fr.; and 231 tons iron—value, 72,394 fr. The

age price was—1843, cast-iron, 128 fr. the ton; 1844, 130 fr.; 1843, 288 fr.; 1844, 313 fr. The quantity of charcoal consumed was about

IV. PROVINCE OF LIEGE.

IV. PROVINCE OF LIEGE.

In 1843, there were 73 metallurgic establishments in this province; in 1844, 79—of which 62 were iron, 1 steel, 2 lead, 4 copper, 6 zinc, 1 alum, 3 glass. The number of men employed, in 1843, was 4507, steam-engines 53, of 1889-horse power, 45 water courses; 1844, 4855 men, 51 steam-engines of 1803-horse power, 45 water courses. The number of furnaces in activity, in 1843, was 10—of which 1 was fed with charcoal, 9 with coke; in 1844, there were 11—of which 1 was charcoal, and 10 coke. In 1843, the number of affineries in activity was 13—of which 5 were fed by charcoal, 8 by coal; in 1844, there were 12—5 of the first category, 7 of the second. The average price of cast-iron was—1843, 82 fr. the ton; 1844, 9 fr.; iron, 1843, 187 fr.; 1844, 243 fr. The quantities and value of the products of this province were — 1843, 32,718 tons cast-iron—value, 2,675,640 fr.; 33,245 tons/iron—value, 5,28,565 fr.; 6992 tons brass—value, 1,472,000 fr.; 400 tons alum—value, 96,000 fr.; in 1844, 41,958 tons cast-iron—value, 3,965,800 fr.; 25,607 tons iron—value, 6,229,217 fr.; 6517 tons zino—value, 3,965,800 fr.; 4804 tons iron—value, 6,292,217 fr.; 6517 tons brass—value, 2,142,340 fr.; 4804 tons alum—value, 120,000 fr. Exact details respecting the production of glass could not be obtained. The quantity of coal consumed, in 1843, was 302,742 tons—1844, 314,702 tons; charcoal, 1850 tons—1844, 1850 tons. coal consumed, in 1843, was 1850 tons—1844, 1850 tons.

V. PROVINCE OF BRABANT.

In 1844, there were 12 metallurgic establishments—10 for iron, 1 for lead, and 1 for copper. They employed 144 men, and 3 steam-engines of 31-horse power. The furnace (charcoal) of Leefdael, arrondissement of Louvain, was not in activity either in 1843 or 1844.

VI. SUMMARY OF MINERALURGIC ESTABLISHMENTS

The number of mineralurgic establishments, in the whole kingdom, was in 1843, 329 in 1844. They were as follows:—

HAINAUT.-1843, 96 iron and 24 glass; 1844, 100 iron and 25 glass. NAMUR.-1843 and 1844, 71 iron, 1 steel, 1 lead, 8 copper, 1 glass. LUXEMBOURG.—1843 and 1844, 31 iron.

Liege.—1843, 58 iron, 2 lead, 4 copper, 5 zinc, 1 alum, and 3 glass; 1844, 62 iron, 1 steel, 2 lead, 4 copper, 6 zinc, 1 alum, and 3 glass.

LIEGE.—1843, 38 Iron, 2 lead, 4 copper, 5 zinc, 1 alum, and 3 glass, 1844, 62 iron, 1 steel, 2 lead, 4 copper, 6 zinc, 1 alum, and 3 glass.

Brabant.—1843 and 1844, 10 iron, 1 lead, 1 copper. In 1843, there were 53 furnaces in activity—33 of which were fed by charcoal, 20 by coke; 1844, 49 furnaces—of which 26 were of charcoal, and 23 of coke. The number of affineries in activity was 119 in 1843—of which 67 were charcoal, 52 coal; in 1844, there were 113—of which 76 were charcoal, 47 coal. In 1843, the production was 97,889 tons cast-iron—value, 9,108,845 fr.; 56,722 cons—value, 11,668,594 fr.: in 1844, the production was 106,878 tons cast-iron—value, 9,294,599 fr.; 46,913 tons iron—value, 10,729,841 fr. The average price per ton in the whole kingdom was—1843, cast-iron, 93 fr.; iron, 206 fr.: 1844, cast-iron, 87 fr.; iron, 229 fr.

Comparing 1844 with 1839, we find that the number of mineralurgic establishments increased by 59, principally for treating iron. The production of cast-iron and iron underwent a considerable reduction. In 1838, the number of furnaces in activity was 89, and in 1844 only 49; of affineries, in 1838, the number was 211—in 1844, only 113. The diminution was principally in the furnaces fed by charcoal. Of 79 in activity in 1838, there were only 26 in 1844; but the number of furnaces in which coke was used rose from 20 to 23.

Rent of Mines.

RENT OF MINES.

The persons holding concessions of mines pay two rents: a fixed rent of 10 fr. per square kilometre for the whole concession, and a rent proportioned to the extraction—not, however, exceeding 5 per cent. of the clear profit of the working. In Belgium, it has never really exceeded 2 per cent, but there are the additional centimes (one centime per franc), and 5 per cent, for the expenses of recovery to be paid also. The following shows the rents received for the mines of coal and metals:—

e remis received	tor the mines of	COM MICH MICHINI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Coal Mines.		Metallic Mines.
	143,768 fr. 94 c.	***********	13,181 fr. 69 c.
***********	135,111 fr. 5 c.		13,030 fr. 74 c.
	145,669 fr. 64 c.		16,129 fr. 95 c.
	The second secon		
			14,157 fr. 19 c.
		Coal Mines. 143,708 fr. 94 c. 135,111 fr. 5 c. 145,669 fr. 64 c. 107,293 fr. 97 c.	

STEAM-ENGINES.

Steam-Engines.

The total number of steam-engines, in 1844, was 1448, of 37,370-horse power. Coal mines employed the greatest number, the mineralurgic establishments the next greatest, the cotton manufactories the next, &c. The average annual increase in steam-engines, from 1839 to 1844, was 69; the number used up annually was 35. At the end of 1838, steam navigation was effected by five muchines, of 744-horse power—three of which were constructed in England, two in Belgium. In 1844, the number was 10, of 891-horse power—four of which were of foreign, and the rest of Belgian, manufacture. In 1840, the State Railway employed 122 locomotives, of \$6053-horse power—79 of which were of Belgian manufacture, the rest of English. At the end of 1844, the number of locomotives in use on that railway was 146, of 7955-horse power—103 of them were constructed in Belgium, 43 by foreign countries.

Novel Application of Steam.—Mr. Mathew Irvine, of Hebburn, an ingenious mechanic, has made a small steam-engine to work his child's cradle—the length of the engine and boiler is 16½ inches.

ingenious mechanic, has made a small steam-engine to work his child's cradle—the length of the engine and boiler is 16½ inches.

PROGRESS OF ELECTRIC TELEGRAPHS ON THE CONTINENT.—The Monifeur Industriel of the 29th ult., has the following pithy observation on the progress of the electric telegraph:—"It is well known that sciences, and their application, have always found in the Grand Duke of Tuscany an enlightened patron. Italy will be indebted to him for the establishing of its first electric telegraph. By a private letter, from Pisa, we are informed, that a telegraphic line, established under the direction of an experienced professor (Matteucci), has been in operation for some months with perfect success, and that they are going to extend it to Florence. The apparatus which wordonce the signals at the various stations are by a French engineer of the name of Breguet—so worthy of the name he bears. It is also known, that it is to that same engineer we are indebted for the electric apparatus which works so well, and with the greatest precision, on the line from Paris to Rouen. In writing these observations, we cannot divest our mind of the melancholy idea, that England, the United States, and even Italy, have constructed electric telegraphs; and that we, in the meantime—what are we doing? Here we are discussing gravely, and considering whether electric lines are to be established on every point or not—and whether the commercial interest shall be permitted to have their beneft—or whether it is a good or bad invention; and yet we have the pretension to 'out-do' all other nations in inventions and science. We must say, this is not the fault of our engineers; and, consequently, let not the public accuse them, but another powerful quarter."

EXTENSION OF THE ELECTRIC TELEGRAPH.—The posts for the electric electron by the description of the electric electron and the wires have been laid along a part of electric electric transfers.

accuse them, but another powerful quarter."

EXTENSION OF THE ELECTRIC TELEGRAPH.—The posts for the electric telegraph have been put down, and the wires have been laid along a part of the Liverpool and Manchester Railway, so that in a month or two we may hope to have a telegraphic communication from Liverpool to London, vid Manchester. This is rather a roundabout way for the first outport in the empire to communicate with the capital, but as the speed of the electric communication surpasses that of everything except thought, 30 miles more or less is quite unappreciable.

is quite unappreciable.

ELECTRICITY AND GALVANISM.—On Tuesday last, Dr. Bachhoffner delivered a lecture on this subject at the Royal Polytechnic Institution—in the course of which he stated that, although electricity was constantly spoken of as an elastic fluid, by which we would suppose it was a substance like water that may be contained in a vessel and visible to the eye, such was not the fact, and that we are at present totally ignorant of what electricity really is; but this is a matter of minor importance, as we are acquainted with the method of applying this powerful agent to useful purposes—the greatest of which was the electric telegraph; as by its means a message could be conveyed to any part of the kingdom at the rate of 288,000 miles in one second—thus bringing, as it were, the whole empire, and even the continent, into a small space, and, by this means, affording a most valuable aid to mercantile transactions.

Droppy: Anormer very Sevene Case Guero by Holloway's Prese

this means, affording a most valuable aid to mercantile transactions.

DROPSY: ANOTHER VERY SEVERE CASE CURED BY HOLLOWAY'S PILES.

—Mrs. Marths James, of Newport, between 40 and 50 years of age, was m a most awful dropsical state, the lower extremities being dreadfully swollen, arising in a great measure from inattention to hereeff at this particular period of life. When almost too late also applied to different medical zeros, and also became an immate of two hospitals; but at the several places where she sought relief she was pronounced incursible. Fortunately, on her return home, she was persuaded to try Holloway's pills; and by their use, with strict attention to diet, in a few weeks she was restored to perfect health. Sold by all druggiets, and at Professor Holloway's establishment, 244, Strand, London.

Mining Correspondence.

BARRISTOWN.—The main look, in the 18 fm. fewel end west, has increased in his east, sinking on perpendicular part of tode, is worth about 100, per fine, is harries in the lack of the same level, to the 12 fm. level, as worth 100 to fine, is harries in the lack of the same level, to the 12 fm. level, as worth 100 to fine, is the lack of the same level, to the lack is a long to the worth of the 100 to 100 t

the tode is 2 tt. was, composed to guestly and the first making below the 120 fm ferral is still favourable. The ground in the diagonal shaft amking below the 120 fm level is still favourable. The lode in the 120 fm. level, west of the great cross-course, is 16 in. wide, composed of sort and stones of ore. The lode in the 110 fm. level south is 16 in. wide, composed of soft spar, and prinn, spotted throughout with lead—a very promising lode indeed, and one that is likely to prove productive. The lode in the rise above this level is 2 ft. wide, composed of spar, and stones of lead (good work for the stamps). The lode in the 100 fm. level south is 20 in. wide, composed of soft spar, prian, and lead; worth 200 per fm.; "the tribate pitch, in the back of this level, is as productive as ever it was." The lode in the 90 fm. level south is 200 in. wide, composed of spar, declam, and stones, and spots of lead—"all of which is saved for the stamp." At present, we have two stamps at work—viz.: a 30 and an 18-ft. diameter

state-bed to it of the in. rolls, which we purchased for 24t. So. We instend fixing four beads on the opposite date of the causher, to work alternately, the crusher by day and the atomic by eight; "below this wheel" them is full enough to creat smaller wheel, of 24th calisation, should be as of the state time, requires of the same have been same to all the companies who purchase that article, to be tendered for at the companies who purchase that article, to be tendered for at the companies who purchase that article, to be tendered for at the companies who purchase that article, to be tendered for at the companies who purchase that article, to be tendered for at the companies who purchase that article, to be tendered for at the companies who purchase that article, to be tendered for at the companies who purchase the companies who purchased the companies who purc

abundance of tin.

SOUTH FRIENDSHIP WHEAL ANN.—The lode in the 52 fm. level is looking well; it is 4ft wide, underlaying about 2 ft. in the fm., and composed of very large atones of mundic, felspar, atones of lead, carbonate of lima, quartz, blue peach, and spots of copper—a very kindly lode indeed.

SOUTH TAMAR UNITED.—The water is in fork under the 70 fm. level, and we dropped our lift yesterday 2 fms.—we could not drop any further, on account of the old timber being across the shaft. I hope by the latter part of this week, we shall fork the water to the bottom of the perpendicular part of the shaft. The adit level is clearing and securing very satisfactorily.—Aug. 31.

the shaft. The adit level is clearing and securing very satisfactorily.—Aug. 31 SOUTH WHEAL MARIA.—There has been 2 fms. driven in the cross-cut, north from the engine-shaft, in the 20 fm. level, in the last fortnight, and the ground continues with little or no alteration. There are 3 fms. driven west on the course of the lode, south of the engine-shaft, in the 20 fm. level, and the lode is from 18 in. to 2 ft. big, composed of mundle, spar, &c.; with some good yellow ore in the capel. Although the quantity of water in the River Tamar just now is much less than has been known for several years past, there is a sufficient quantity to keep the mine clear of water.—September 2.

SOUTH WHEAL TRELAWNEY.—The engine-shaft is sunk 7 fms. 4 ft. below the adit level, the ground in which is still favourable in every part of the shaft, and the water less than one stroke per minute. We have this day set the men to sink 10 fms. certain, at 144. per fms., and to divide and case down the shaft for the same; and, in order to expedite the sinking, they are to commence working early Monday morning until Saturday night Jate. I may likewise observe, our engine continues to work remarkably steady, and is well put tegether.—August 28.

TAMAR SILVER-LEAD.—In the 160 end, aputh of the chaft, and the water the standard and the standard and is well put tegether.—August 28.

well put together.—August 28.

TAMAR SILVER-LEAD.—In the 160 end, south of the shaft, the lode is 8 ft. wide, saving work; in the same level north the lode is 18 in. wide, good saving work. In the 145 end south the lode is 1 tt. wide, producing good stones of ore; in the same level north the lode is 3 mill and poor; in the winze, sinking in the bottom of this level, the lode is 18 in. wide, very good work. In the 185 end the lode is 1 ft. wide—atill carrying a rich leader of ore, 6 in. wide. In the 185 and the lode is 3 ft. wide, of a course quility. At North Tamme, in cross-cutting west in the 70 fm. level, we have discovered another branch on the main part of the lode, about 18 in. wide, composed of flookan and capel,

with some very rich ore. In the 60 and the lode is 2 ft. wide, composed of mundic, fluor-spar, and ore, saving work. The tributers here are working with spirit. The north mine, on she whale, is improving. We hope to sample, on the 3d of September, about 30 tons of rich aliver-lead orea. Ang. 30.

TAYY CONSOLS.—The prospects of the mine are still vary flattering aince our last meeting; we have had some good bunches of ore in the bottom level, and at present the south part of the lode, for about a feat wide, is saving work; the lode is still large, upwards of 7 ft. wide, and not containing so smach municial cas before—still large, upwards of 7 ft. wide, and not containing so smach municial cas before—still large, upwards of 7 ft. wide, and not containing so smach municial cas before—still large, upwards of 7 ft. wide, and so the south, for about a foct wide, have a leader of mundies and ore; the resemble part is gederally composed of spar-diving at 5d. 10s. per fm.; the north lode cast is about a foct wide, awing work—driving at 5d. 15s. per fm.; the western pitch, in the back of the 12 fm. level, is still looking very well—working at 7t. In the 1ft, the castern one, for the present, is poor. We have about 40 tons sfore, dressed and undressed, now on the floors. Our grinder works very well, which will effict very considerable saving in the dressing department. I hope to get our drawing matchine to work in even or eight days. The rest of our arrice works is in progressive state. We shall sample, for the next two months, upwards of 60 tons or looking very well—working at 4s. in the 11—Aug. 31.

TINCROFT.—The lode in the 100 4m. level, east of the new engine-shalle southing above 5 th end or whomey cheer is the 100 went the inder 6 2 ft. wide, worth 81, per fm. The lodes in the 50 east continues large, with sectional stones of ore; the 90 west, on noth lode, is worth 150, per fm. for ore; the 90 sast, on small lode, is unproducitye, but we are daily exposing an improvement, as we have a good lode in a wine, smitch,

worth 18th per im.; nothing done in the bottom of this level for the past week. At Wheal Sparrow, in the 40 fm. level the lode is 2 ft. wide—worth 41 per fm.—August 51.

"WEST WHEAL JEWEL.—In the rise, in the back of the 70 fm. level, west of Hodges's cross-cut, on Wheal Jowel lode, lode 1 ft. wide, worth 64 per fm.

In the 30 fm. level, west of Quarry shaft, on Tolcarne tin lode, lode 1 ft. wide, worth 64 per fm. In the 12 fm. level, west of Quarry shaft, on same lode, lode 1 ft. wide, worth 8t. per fm. In the adit end, west of Quarry shaft, on same lode, lode 1 ft. wide, worth 8t. per fm. In the adit end, west of Quarry shaft, on same lode, lode 1 ft. wide, worth 5t. per fm. In the shallow adit end, west of Quarry shaft, on same lode, lode 1 ft. wide, worth 5t. per fm. In the edote in the shallow adit end, west of Quarry shaft, on same lode, lode 7 Pryor's winze, on the same lode, lode 2½ ft. wide, worth 25t. per fm.—August 30.

WEST WHEAL MARIA—The lode in the 36 fm. level, west of the eastern engine-shaft, is 3 ft. wide, producing good stones of ore; in this level we intended the stone of the shaft, is 3 ft. wide, producing good stones of ore; in this level we intended the shaft is about 5 ft. wide, with a little ore in places. In the 54 fm. level, east of this shaft, the lode is 18 in. wide, without important alteration; the cross-cust south, in this level, is much the same for driving as last week, rather hard—Aug. 31.

WHEAL ADAMS.—The western silver-lead lode in the rise, in the 36 fm. level, is split into two branches—the eastern part consists of friable quarts and granular galena; and that of the western, mostly of blonde; the whole is worth 5th per fm.; the outer rise has reached the deposit of blende, at which point the middle branches have evidently formed a junction with the eastern lode, whore it is at least 7 ft. wide, containing, in addition to the jack, good stones of lead. We have commenced raising jack to-day, and shall continue to do so, for the double purpose of obtaining this mineral, and

or two.—August 31.

WHEAL CURTIS.—I am happy to inform you, that our engine and flatrods are working well; also, that we have had good success in forking out the
water, and cutting down the shaft; the water is now 6 fms. below adit, and
the shaft is cut down and secured 5 fms. below adit; we shall drop again on
Saturday morning. /We have sunk a pit parallel to Crase's flat-rod shaft, on
the Charlotte lode; the pit is 18 ft. deep from surface; the lode is nearly 3 ft.
wide, composed of very rich gossan—a finer-looking lode at this depth I never
saw, and believe at a greater depth will prove rich for copper; we intend sinking a shaft here immediately to epen on this lode.—August 26.

WHEAL MARY ANN—The lode in the 30 fm. level, south of Barratt's
shaft, is small, being disordered by a small cross-course; it was precisely the
same in the level above. We are daily expecting an improvement, as there is
a splendid lode goes down in the bottom of the 15 fm. level, before this end.
The driving of the 15 fm. level on the lode, is suspended, until the cross-cut
which the men are new driving in that level is holeh to the engine-abs.,
when it will be again resumed, there not being sufficient air for two pare of
looking well. Pollard's shaft is sunk 10½ fms. under the adit level.—Aug. 30,

Aversons Consorn.—The leader part of the lode is 20 in, wide, good work or lead—the lode is composed of lead, priss, quartz, and mundle; and these is not a more promising lode in the two counties.

for 18 days, 29 mlin. 8 cm; 3 city, 23 grs.

ASTURIAN MINING COMPANY.

An adjourned general meeting of shareholders was held, on Monday last, the floth August, at the company's offices, Austin-frare.

S. P. PRATT, Esq. (chairman of the beard of directors), in the chair.

Resers. Cumingham, Kuill, Scala, and Skrine, members of the direction, were resent, and a considerable number of shareholders.

It appeared, from the report of the directors, that Mr. Levi, an engineer, had eou despatched, at the personal expense of a number of shareholders, to inspect he company's property and works in Spain, with the view of reporting to them is opinion as to the state of the undertaking, and the prospects for the future; but he had submitted his report, and that a copy of it had been forwarded to be directors to be submitted to the shareholders, but not to be distributed till semission had been given by the narties at whose cuments the document had

that he had submitted his report, and that a copy of it had been forwarded to the directors to be submitted to the shareholders, but out to be distributed till permission had been given by the parties at whose expense the document had been procured.

The report was exceedingly misute, and extended to great length. It described the company's property, the present state of the works, the difficulties which had been encountered, and had still to be overcome; the present yield of coal, iron, and quicksilver mines; the leading features of the several mines comprised in the property; specified the value of the present yield of coal, iron, and quicksilver, when the works now in progress should be completed. The report, as a whole, we exceedingly satisfactory and encouraging, bearing testimony to the exertions of the directors and their servants, and expressing a confident belief in the productiveness of the enterprise. Mr. Levi estimated the profit from the present operations to the 31st of December, at 12,4801; for 1848, when the works are completed, at 79,5461; and at 168,1672, should additional appliances be brought into play.

In referring to this report, the directors stated that it hold out a prospect that the most sauguine expectations which were ever entertained of the results of the enterprise would be more than realised. After describing the difficulties with which they had had to contend, arising in part from the hard winter, the want of roads, the difficulty of raising money, and other causes, the directors went on to say, "They can now, however, with some certainty, fix a period when the vorks will be in productive action. Indeed, this shaw far some time been the case with the mercury furnaces, and the Santo Furne collieries. The former has been yielding for some weeks a valuable produce, constantly upon the increase, and which has enabled the manager to deposit in the Government strength of the works, are in a considerable part of the furner expense. This force are a made to the particular period for dep

the 8*L* is paid, the serif shall be converted into shares, upon which 11*L* has been deemed to be paid. At the same meeting the propriety of fixing a dividend will be considered.

In connection with this suggestion, the Charrman remarked that it had been thrown out at the request of a considerable number of shareholders, who were extremely anxious that a further call on the present shares should be avoided. Should the shareholders approve of the arrangement, the sum to be raised by menthly instalments would go a good way to defray the expense of the works now in progress. In Mr. Levi's report reference was made to the construction of a railway, as a means of economising expense.

A SHARMHOLDER inquired what the expense of this might be?

The CHARRALM said, that the question of the railroad was not involved in realising the estimates put forth by Mr. Levi; and he would not recommend that the expense (probably about 30,000*L*) should be incurred till the company was paying a handsome dividend.

A SHARMHOLDER handsome dividend.

A SHARMHOLDER asked if it was not understood that Colonel Biré, in the event of Mr. Levi's report being favourable, would take the unappropriated shares at par?—The CHARMAN and, that had not understanding; but not communication had been received from the colonel, who was now in Madrid, on the subject. Should she offer be made, it will be submitted to the shareholders before being acceded to.

Mr. WHERISSON thought that the interests of the company would be promoted were a change to take place to some extent in the direction. He thought that means should be taken to secure the retirement of Colonel Stopford and Colonel Fitch.—The CHARMANS said that this was a difficult matter. The directors but, according to the Deed of Settlement; it was difficult to displace a director, it should also be borne in mind, that the two gentlemen named had been of much use to the company, and were still anxious and willing to continue to be of use. They were both in Madrid, and did not receive any allowance a

tinue to be of use. They were both in Madrid, and did not receive any allowance as directors.

After glancing at the accounts, a Shareholder expressed the opinion that the directors had exceeded their power in disposing in the market of a number of shares, and that a considerable loss had been sustained by the company in consequence. This ied to some acrimonious remarks; but the matter was antisfactorily elevred up, and the amende honorable made. The shares disposed of were forfeited shares, and so far from there being a loss, the sales had left a profit to the company. The official repart of the directors was unanimously approved of; and as to their suggestion relative to the distribution of the unappropriated shares the feeling of the meeting seemed to be that it would be better to raise funds by an additional call, so encouraging were the prospects of the company. This point, however, will be discussed at the October meeting. Should be sharely be to discussed at the October meeting. Should be sharely be to discussed at the October meeting. Should be of the year, from six months' working of the mines, it will be equal to 10 per cent, on the capital.

GREAT WHEAL MARTHA MINING COMPANY.

GREAT WHEAL MARTHA MINING COMPANY.

A special general meeting of shareholders was held at the offices, Winchester-house, on Thursday, the 2d inst.

BRIGHTMAN, Esq., in the chair.

Mr. Col.z. (the secretary) having read the notice convening the meeting, proceeded to read the report of the directors, which entered very fully into the present position of the mine, by which it appeared that the balance of liabilities over the arrears of calls on the old and preferential shares (considered good), amcunted to about 300%, that a considerable number of preferential shares were unappropriated—but that, if all were taken up, they would not produce a shares were unappropriated—but that, if all were taken up, they would not produce the control of the control lities over the arrears of calls on the old and preterantia states (considerable number of preferential abares were unappropriated—but that, if all were taken up, they would not provide a sufficiency of funds for the operations recommended; and that Mr. P. M. Johnson, Capt. Seccombe (of Marke Valley), Capt. Phillips (of the Callington Mines), Capt. Prince, Capt. Paull, and other respectable mining captains, had recently inspected the mines, and uniforsaly expressed a favourable opinion of the mine at a greater depth, and to effect which would require an outlay of 3600. The directors suggested the formation of a new company, on the Cost book System, to consist of 2000 shares of the value of St. each, payable by instalments of 19a, and to be offered in the first instance to the abareholders in the old company. The proposed company should lease the sett, following the same at any time during the said period for 30000, or to return the sett, and all machinery, to the old company, should they stop working the same at any time during the said period for 30000, or to return the sett, and all machinery, to the old company, should they stop working the same within the said three years—the rental to case upon such return of the sett, &c., or purchase.

Considerable discussion then ensued, and it was generally considered that to the reprinted the materials at the present time would be most detrimental to the rental to case upon such return of the sett, &c., or purchase.

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Considerable discussion then ensued, and at the present time would be most detrimental to the preprietors, and

The auditors reported a balance in favour of the company, in the hands of the bankers, and in sale of ores, to the amount of 4111. 3s. 1d. They had examined the whole of the accounts of the mines from August, 1946, to July, 1847, and only found an error in the July cost of 1s., in favour of the company.

The resolutions passed will be found in our advertising columns.

GREAT MICHELL CONSOLIDATED MINES.

At a meeting of adventurers held at the offices, Old Broad-street, on Tuesday, the 31st August, the following report from Capt. T. Richards, dated the 30th inst., was read:—"The engine-shaft has been sunk about 4 fins., making the present depth 35 fins. below the surface—the lode throughout these 4 fins. has produced good stones of ores. The 35 fm. level is extended east of the engine-shaft about 3 fins.; the lode in which is 7 ft. wide, composed of mundic, spar, and rich stones of ore—and promising improvement. This level is extended west of the shaft about 3 fins. The lode here is also large, full 64 feet wide, containing mundic, fluor-spar, and good stones of ore. The ground in these levels is at present hard; however, the lode has not diminished in size; and, judging from the present appearances, there is every reason to believe that we are at no great distance from more favourable results. The winze in the 22 fin. level, west of the engine-shaft, has been sunk about 3 fins., making the present epth 13 fins. below the 22. The lode throughout the whole 8 fins. sunk has been of the most promising character, consisting of mundic, spar, and thor, intermixed with rich stones of grey, black, and yellow ore, and may be considered good tribute ground. We have this day commenced driving a 35 fm level from the bottom of the winze; and when extended sufficiently far enough west to admit of again sinking, it shall be resumed without a moment's delay. We are now dressing a small parcel of ore, about 12 tens, of good quality. It consider the prospects of this concern to be highly encouraging; looking at the present shallow depth, and limited extent of operations, there is every ground for satisfaction with what has already been discovered. A statement of the cost, to end of July, accompanied by the cost-sheets, &c., was submitted to the meeting, showing balance in faveur of company of 1301. 16s. 2d., when it was resolved, that a call of 10s. per 2560th share, be made payable at the Lond GREAT MICHELL CONSOLIDATED MINES.

Ballaswippen.—At a meeting of adventurers, held at the mine, on the 31st August, the accounts—showing an expenditure of 4652l. 5s. 11d. for the two tenths, and leaving a balance in favour of adventurers of 668l. 3s. 2d.—were xamined and allowed; whereupon it was resolved to authorise the purser to take an immediate dividend to the adventurers of 7s. 6d. per share, making 30sl.: leaving a balance to be carried to next account, in favour of the adventurers, of 59l. 3s. 2d.—The agent's report of the mine was considered to be once favourable than ever—the quantity of tin sold this last two months mounted to upwards of 100 tons, which far exceeds the sale of any other mine the county.—The accounts showed:—By tin sold, 527 ll. 18s. 9d.; sundries, 3l. 12s. 4d. —5820l. 9s. Id.—Wages for May and June, 3150l. 5s. 4d.; coals, 18l. 15s.; carriage, 98l. 18s. 9d., merchants' bills, 1018l. 11s. 10d.; lord's ad bounder's dues, 159l. 15s.; balance in favour of adventurers, 68l. 3s. 2d. Grappings Moor.—At a meeting of adventurers, held at R. Esterbrook's. and bounder's dues, 1594. 15s.: balance in favour of adventurers, 6684. 3s. 2d. CRADDOCK MOOK.—At a meeting of adventurers, held at R. Esterbrook's, Liskeard, on the 18th of August, the accounts were presented—showing a balance of 1044. 1s. in fityour of adventurers—which were allowed and passed, and a call of 10s. per share made, psyable immediately at the Devon and Cornwall Bank, Liskeard. The following report from the captain was presented:

—"Since our last report, we have finished catting the ground, and have fixed the lift, put in a pent-house, timbered down the shaft, and put the engine to draw the stuff, which it does very efficiently. We have also sunk the shaft about 7 ft.; the shaft is now about 35 fms. deep; and as we have everything properly prepared for sinking, and the lode improves in appearance in depth, I beg to repeat what was recommended in our last report—namely: to sink the shaft and there 10 fms. before driving. The lode at present in the shaft is from 18 to 20 in. wide, composed of peach, fluor-spar, and black and yellow ore throughout, but not in sufficient quantity to save."

EAST WHEAL ROSE.—The accounts for the months May and June show—Proceeds of lead ores, sold 14th May, 2692l. 6s. 7d.; on the 29th, 3286l. 18s. 10d.; on the 11th June, 1983l. 0s. 6d.; on the 26th, 3997l. 10s. 8d.; Cargoll adventurers, for water charge, agency, &c., 214l. 4s. 10d; Share of profit in Cargol Mine, 1034l. 1s. 10d.—16,736l. 16s.—By costs for May and June, 7753l. 18s.; payment of dividend (50l. per share), 6400l.—leaving balance now in hand, 2582l. 18s.

2822.18s.

GONAMENA.—At a meeting of adventurers, held at R. Esterbrook's, Liskeard, on the 18th August, the accounts were presented—showing a balance of \$11.4 s. 70. against adventurers—which were presented—showing a balance of \$11.4 s. 70. against adventurers—which were allowed and passed; and a call of \$21. per share made, payable immediately at the Devon and Cornwall Bank, Liskeard. The following report from the captain was presented:—"The winze is holed to the \$34 fm. level, and four men are stoping the backs; the bunch of ore is shortening as we rise, also getting smaller, being now about 9 in. big; the east end, at the \$34 content of the more of the content of the shortening as we rise, also getting smaller, being now about 9 in. big; the east end, at the \$34 are suspended, and the men removed to other parts of the mine. The engine shaft is sunk under the \$34 fm. level 11 fms., where a plat is cut; and the men expect to begin to sink again next week. We have commenced a cross-cut south; and hope to intersect the lode in the 45 fm. level within a week. In the east adit, driving north, no lode has been cut since the last meeting. We propose soon commencing a winse under the \$44, on the course of ore, to meet the 45 fm. level conjing in from the shaft. We expect to sell from 20 to 80 tons of ore before our next meeting." Since the meeting, the lode has been intersected in the 45 fm. level, and found 18 in. big, of peach, mundic, and prian; no contents as an as just over in the \$44, but more kindly than in that place.

TAVE CONSOLS—A meeting of adventurers was held at the Central Hall,

spotted with yellow ores; also, in this level (65), and ordere cast from the cross-course, on E 3 leds; but just nences to error cast from the cross-course, on E-3 look, to o be small and unproductive, as in the same place over it, evel, some 10 or 12 fins, further east, the lode holds out o nees, and there are 2 pitches working, at 18a, 4d. in the 14-ng one pitch, in the 40-fins, level west, at 18a; and one in rest, at 11s. 6d. in the 14. Ores to be sampled on Monday

west, at 11s. 6d. in the 1t. Ores to be sampled on Monday next, the 23d inst at Looe, about 35 tons; even now on the mine, about 15 tons."

WEST CARADON.—At a meeting of adventurers, held at Richard Esterbroof? Liskeard, on the 18th August, the accounts were presented; showing.—Receipt or copper ore, 5220t. 5s. 7d.; for materials, 31t. 18s. 3d.; balance of hast account, 2150t. 6s. 2d., —7407t. 14s.—Labour cost for May and June, 3028t. 10s. 2d. anaterials, 1088t. 1s. 6d.; lord's dues, 324t. 10s.; by dividend paid 1st of July 1280t.: leaves balance in favour of adventurers of 1686t. 12s. 4d.—The account were allowed and passed, and a dividend of 3t. per share declared, payable at the Devon and Cornwall Bank Liskward.

Wheat Hope.—At a meeting of adventurers.

were allowed and passed, and a dividend of 3t. ger share declared, payable at the Devon and Cornwall Bank Liskeard.

WHEAL HOPE.—At a meeting of adventurers, held at R. Reterbrook's, Liskeard, on the 19th August, the accounts were presented—aboving balance of 42. 16s. 11d. in favour of adventurers—which were allowed and passed, and a call of 1t. per share made, payable immediately at the Devon and Cornwall Bank, Liskeard. The following report was presented:—"Since our last report, we have extended the adit level, on the horse lode, about 4 fms.—being now about 135 fms. from tail; in this level we have had a hard bunch of granite, about 2 fms. behind the present end, in which we drove 0 or 6 fm; since then it has come into the killas again; the lode varies from 0 to 12 m, in width; it consists of grey ore and mundle, coated with black copper ore, but of coarse quality; the ground in the end has a favourable and kindly appearance; in driving south, on this lode, we are daily in expectation of cutting mother lode; it appears, by the look of the ground, and other indications, as if we were very near it; in the bottom level, on the old lode, we have extended, slace our last report, about 4 or 5 fms.—this lode is of much the same character as when we last reported; the end is still in glassite; but we expect, in a slext time, it will come into the killas strata, and also intersect a north and conth lode. We have cut several streams of water in this end lately, which I expect is coming from this lode."

WHEAL MARY.—At a meeting of adventurers, held at R. Esterbrock's, Lis-

when we last reported, it he end is still in genotice, but we expect, it is a short when we last reported; the end is still in genotice, but we expect, it is a short when we last reported; the end is still in genotice, but we expect, it is a short when we last reported; the end is still lang which is the end last py, which I expect is down in the loth. August, the accounts were presented—showing a balance of 1992, 15a, 5d. in favour of adventurers, which were allowed and passed, and a call lot 2J, per share made, payable immediately at the Devon and Cornwell Bank, Liakeard. The following report from the captains was presented:—in "Since the last report, we have driven the 80 west on the old lode 9 finise, the lode in the present end is not so good as it was for some fathoms behind it. In the 50 end west the lode is at present poor, about 18 in. wide, compared of capel, quarts, and a small portion of lacke new We have also captain the control of the captain of the court house shaft) is fina, each way; it is a product (interest and composed of capel, quarts, and as mall portion of lacke new We have also end west, on the tin lode, in at present poor; but the lode in the cauters end at this level, is worth 201, per fine; and the lode in the back of this level, for 20 fina in longth, will average in value all Jo per fin. The shaft on this lode is sunt to the 35, and within the last few hours the lode has been interested at this depth, where it has a promising appearance; but we have not expect to point on the cauters were all the share of the sale and word. By a rough estimate, when a started about 20 down orth of tinatum, the greater part of which has been raised from the above to pinion of its alte and word. By a rough estimate, we have a started about 20 down orth of tinatum, the greater part of which has been raised from the above to pinion of its alte and word. By a rough estimate, we way the sale and word. By a rough estimate and the sale and the sale and the

MINING NOTABILIA.

EXTRACTS FROM OUR CORRESPONDENCE.

CALLINGTON.—In consequence of the extraordinary rumours respecting the improvements and discoveries made here, I visited the mines for the purpose improvements and discoveries made here, I visited the mines for the purpose of ascertaining the correctness of the same, and I was very much pleased to find that they have effected some important discoveries. I saw some excellent stones of lead, containing a large portion of the sulphate, red oxide, and grey silver ores—some of the atones, I should think, were upwards of 2 lbs. in weight. The copper lode in the 70, east of the small cross-course, is very rich, being nearly 2 ft. solid, and, in my estimation, worth 50t, per fm. At Kelly Bray, the lode continues just the same—rich in black and grey ore, and the ground very easy; but they are not sinking the shaft.

nearly 2 ft. solid, and, in my estimation, worst one per min the lode continues just the same—rich in black and grey ore, and the greated very easy; but they are not sinking the shaft.

Dypnowed Lead Mirets.—We have had occasion to report on these mines in our last three Numbers, and we have much pleasure in continuing our review of the operations in this part of Montgomeryshire. Three mines are wall known to mineralogists as comprising the well-known Delité and Esgair-galid lodes on the Plynlimmon range. Messrs. Pugh and Williams are in possession of some portion of the Esgair-galid lode, which, as seen in Cyfartha, is of immense width, from 30 to 40 ft. rising up from the bed of the brook, in great strength of crystallization, and yielding very fine ore. The Dyfingwin Company have attacked the Delivé vein, and the lead ore, from the 16 fm. level; and, in the several stopes springing out of it, it surpasses the most sanguine expectations of the adventurers; while the 22 fm developes such a further abundance of rich ore, at the greater depth, as to convince all who have visited this mine that it is altogether one of unusual and extraordinary resources. The Resalrgalid lode is a mineral wonder in the opinion of a most competent judge. But, without going into this lode, we will take leave to refer our readers to the separate depth. Mr. John Reynolds (for he is the manager) fose-tok that the lead would, to the north, east, and west of the engine-shaft, in the 22 fm. level, bear down, and greatly improve under this level; and he zalculates, without a doubt, from the present indications, that, in the next 16 fm. deeper, the company will meet with large and splendid courses of feat. Room the 16 and 22 fm. levels, on the Delivé lode, several cargoes of feat have bien shipped from Port Derwent-las, on the River Dovey, for Holywell, which have assayed 71½ per cent, and realized 11/. 6a, per ton. These mines are now yielding from fifteen to twenty tens per month—being upwards of 2000/. Per annum; and, in the course of so

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wide, is a continuation of the Great Plynlimmon vein. The lead crops to the surface of the rock, and continues to widen as the men proceed, getting atrooger in the forebreast. This gigantic lode passes within 100 yards of the present Dyfingers saidt, where it is proposed to sink a shaft, and, by a cross-cut of 50 fms. in length, intersect the Eagair-galid lode, communicate with the works, and afford an inexhaustible supply of ore for 48 years to come, which is the time the present company will have possession of Dyfingers, on the row of the time the present company will have possession of Dyfingers, on the royalty is covered, or becomes sil to the company. In our next Number, we shall be able, we trust, to present our readers with the monthly report, and also with the report of a competent judge, who is now on his way to survey this property, upon which some capitalists are about to expend from 5000. to 7000l. in carrying out the operations we alluded to in our last, and from which they may confidently rely upon large profits, without the possibility of risk.

WHEAL FIANCO.—In this mine there is an improvement in the 32 fm. level, east of Spry's shaft, and in the shallow level, west from Burnell's shaft. In the 47 fm. level the agents expect they are very near the lode, as there is a great deal of water issuing from the ond—the lode not having been cut up to this time is a proof that it is more perpendicular than in the levels above, which is a very encouraging feature. The shaft is nearly down to the 62 fm. level.

A valuable lede of tim, about two feet wide, has lately been discovered in Canox's Town Mixes, near Treloweth. The recent discovery, added to others in course of working of similar strata, and running parallel with the adjacent mines, it is to be hoped, will be the means of considerable employment for the vast mining population in that district; and no doubt is entertained but the spirited adventurers will be amply remunerated for their outlay, which is merely trifing compared to the present prospec

EXTRACTING COPPER FROM ITS ORES BY ELECTRICITY.

scivity in mining; and it is to be hoped that better days are coming to the miners and adventurers.—Corneod Gazette.

EXTRACTING COPPER FROM ITS ORES BY ELECTRICITY.

A correspondent, who will be readily recognised by our readers, in forwarding our notices on this subject to the Lake Superior News for insertion, accompanied them by the following remarks:—"The process referred to is a most ingenious and beautiful theory, admirably adapted to a laboratory experiment, but obviously inadequate to operations on so gigantic a scale as would be necessary to meet the requirements of so extensive a range as that of Lake Superior. But, to our notes. First of all, then, be it understood, there is an egregious error in the very heading of the article in question—"Smelling Copper Ores "—inasmuch as there is no smelting of the copper ores at all; and it is necessary that this fact be perfectly comprehended. In the next place, it is evident that the system in question is inapplicable to the trappean, or any other rock through which native copper may be disseminated—or, if it be applicable, the pure metal must be degenerated back to a soluble salt—sulphate of copper—which will preve a process as tedious and expensive as that of extracting it from the rock by the present mode. Having taken this view of the case, it is but just that another should be stated; and I do so with much pleasure, in the fall hope it may prove of service to the mining interest in this remeted district. And here, again, let it be remembered, that the ores to be treated as follows, must be aulphuretted, and with these we shall find no difficulty. Rosat the mass in the open air, as proposed; a very little wood will be required, because the sulphur, when once ignited, will be found ample to sustain combession—this in action, and the chemical process advances as follows: the sulphur solutilized is replaced by oxygen, and could the proceed by perfected, the whole of the sulphuretted copper over yielding 10 per cent. of copper. This, we will suppose, to be rai

Journal.—O. H. M.: Parlage-Retreat, Saut Ste. Marie, July 27."

SMELTING COPPER ORE.—There are establishments for smelting copper at Boston and at Baltimore. At Boston the smelters have long been extensive refiners and manufacturers of copper, and they manufacture the product of their smelting-works. At Baltimore the ores have been chiefly obtained from Caba; at Boston principally from Cuba and Chili. The Swansea (Welsh) method of smelting, with reverberatory-furnaces, both for calcination and reduction, has been adopted, but they use equal parts of anthracite and bituminous coal. At Boston, the German method, with calcination in the open air, and reduction in the small upright blast-furnace, with anthracite coal alone, is preferred. In Baltimore they have six or eight furnaces in operation, with an experienced manager from Swansea. In Boston the arrangements are on a much more extended scale. Freights from Cuba to Boston or New York are much lower than from Cuba to Wales. It is suggested that the best method for smelting would be, as in England, to carry the coal to the ores. What is the nearest place to the mines on Lake Superior, where there are anthracite coal mines? It is estimated that a ton of anthracite coals will reduce 2 tons of 20 cent. ore. About \$55 are paid per ton at Boston, for 20 per cent. ore; freights from Cuba are over \$6, and from Chili \$15.—New York Tribune.

BAIXIMORE COPPER SMELTING COMPANY.—This company have recently

of 20 cent. ore. About 500 are paid per ton at Boston, for 20 per cent. ore; freights from Cuba are over \$6, and from Chib a size over \$6, and from Chib a size over \$100 company. This company have recently commenced the manufacture of refined ingot copper, designed for the supply of founders and other workers in brans; and, as far as it has yet been submitted to the test of the practical worker, is said to have met with decided approval. An agent of this company has recently visited the Lake Superior Mines, with the view of contracting for a supply of mineral from this region, convinced that the native copper, as found here, is the most superior kind for the manufacture of their "refined ingot" article, being so alloyed with silver as to render it exceedingly flexible and brilliant.—Lake Superior News.

The apparatus for the smelting-works on the Jackson Company Location (known as the iron ore tract, near Dead River), went up with the Independence on her last trip, under charge of Mr. S. T. Carr, agent, who had also with him some 12 or 15 men to be employed in throwing out the ore to be smelted. The furnace and necessary buildings, we are informed, were erected during the past winter—so that, in a month or six weeks, we shall, undoubtedly, hear of them in fall blast. The ore is known to produce iron of a most excellent quality, mined with remarkable case, rich per centage, and inexhaustible.—Ibid.

Queence Mining Company, bringing with her from the works

Canada shore of the lake on Sunday last, whither she had been with a cargo of lumber for the Quebec Mining Company, bringing with her from the works of that company several barrels of rich specimens of ore. Some of the specimens (grey sulphuret of copper) are certainly equal to, if they do not surpass in richness, anything of the kind we have met, and elicit the admiration of all who examine them. We take pleasure in congratulating our excellent friend, Capt. O. H. Mathews, the agent, as well as the company, at these early developments of mineral wealth. We have always heard the Pont sux Mines district reported as not inferior to the most famed section of the lake; and, certainly, the reports hence, and the specimens that have arrived, bear ample testimony of its correctness.—Lake Superior News.

[Inow Carmagn. Warren & Acarriago, wheel, composed entirely of iron, and

timony of its correctness.—Lake Superior News.

Inos Carinlage-Where.—A carriage-wheel, composed entirely of iron, and constructed upon purely scientific principles, has just been patented by Mr. I. Holmes, of New York; it is called the "Double-Dishod Metallic Carriage-Wheel. There is a double row of slim iron spokes with counter sunk heads, diverging alternately from the outer and inner rim of the hub to the fellow, where they are also counter sunk and effectually fastened—the spokes thus drawing both ways, and throwing as much of the weight of the carriage upon the upper as the lower part of the wheel; the principle is that of an arch. Ehould the fron fellos break, which is scarcely possible, the wheel, under ordinary circumstances, could not be made to fall to piece. The burthen which a very elight wheel thus constructed is capable of bearing is immonse, if we may credit the calculations of Prof. Comstock; it has an exceeding light and graceful appearance, is not liable to get out of order, and can be purchased at about half the cest of the ordinary wooden wheel.

REMINGTON'S MAGIC AERIAL RRIDGE.

The laths, or stringers, forming the bridge, four in number, 1 inch square in in the centre. Foot-tread, 3 inches wide, and 3 inches apart, without any central support or intervening braces whatsoever, either from above or below, and constructed entirely of common deal.

A model can be seen daily, 7 ft. by 9 in.; 3 stringers gths of an inch by 4ths, which has borne six men and two half-hundred weights, and would have borne as much more.

NORTH POOL.—A meeting of adventurers was held at the mine on Tuesday last, at which the following accounts for May and June were passed:—By ores sold (less dues), 1608£ 4s. 4d.; sundries, 5h. 18s. 1d.—1619£ 17s. 5d.—To bance at theend of April, 412 28.5d.; costs, &c., for May and June, 1200£ 4s. 10d.—1612£ 8s. 3d.; balance in favour of adventurers, 1£ 9s. 2d.

BANWEN IRON COMPANY.—The half-yearly meeting was convened for Monday last; but a sufficient number of shareholders to constitute a meeting not having appeared, an adjournment took place.

ENDLESS RESOURCES OF THE WELSH MOUNTAINS.—A valuable mass of red iron ore has been discovered at Llanharry, near Cowbridge, on the property of the Rev. T. Gronow. The yield of ore is abundant, and the quality excellent.

ACCIDENTS.

ACCIDENTS.

East Consols Mine.—T. Nicholls was killed by a stone falling on his hend. Troucan Consols.—T. Nicholls was killed by a fall of earth.

Levis Mines.—J. Allen, a kibble filler, fell from the 20 to the 60 fm. level, while following his work, and was killed.

Dowlais Works.—Daniel Evans was seriously injured by one of the heavy red mine trams, belonging to the Dowlais Company, passing over one of his legs, while near Gellifaelog.

Countess Pil, Whitcharen.—As J. Davidson was getting out of the basket in which he had been lowered, he took hold of the chain belonging to the full basket, about to be haveled up, in order to facilitate his movement: while thus grasping the chain, the engine was set to work, when the unfortunate man was drawn to the height of between 3 and 4 fms., whence he fell to the bottom of the shaft. On being picked up it was discovered that, besides various dislocations and severe contusions, he had broken his leg in two places. Medical aid was speedily procured, but to no effect; the sufferer lingered, in intense agony, till the next day, when death put a period to his sufferings.

Moseley Hole New Colliery.—W. France was so badly injured by an explosion at one of Mr. Sparrow's pits, that he died the following day.

Porto Bello, Wolverhauspton.—S. Wootten has died from the effects of injuries received by an explosion at Mr. Davis's colliery.

Peneadlogy Colliery, near Llanelly.—J. Harris was killed by a fall of stone.

Frightful Accident—Six Lives Lost.—On Wednesday, the 1st inst, the neighbourhood of Waun-cae-gurwen, in the Swanssa Vale, was thrown into a state of the greatest consternation, in consequence of the occurrence of another of those melanohy colliery accidents which have so often taken place during the last few years in the principality. It appears that on Tunsday evening last, David Matthews, aged 36, Evan Rees, 37, John Lewis, 28, John Maitwaring, 39, Richard Williams, 18, and T. Rees, 17, all colliers, went down to Mr. Townsend Kirkhouse Wood's coal-pit, and remained th

mains presented a said special was helded at the Leigh Arms, Wann-cae-gurwen, before Charles Collins, Eaq., when, after a minute investigation, a verdict of "Accidental Death" was returned, to which was appended a suggestion, that a proper person should be placed at all times at the mouth of the plt.—Cambrian, this morning.

Explosion at Darley Main Colliery—Opinion of the Jury.—An inquest was held on Tuesday, at the Worsboro Dale, near Barnsley, on the bodies of D. Beevors, aged 30 years, who has left a wife and four children, and John Cawthorn, aged 20 years, the two men we named as being severely burnt on Friday last—W. Ellis, employed at the Darley Main Colliery, said he and Beevors went into the pit last Friday morning about half-past five o'clock. We met J. Thompson, the fireman. Beevors went down the levels towards his work, which is a good distance from the botton; it is in the 12th beardgate. Thompson never told Beevors that he was not tog the place where he had been working. Can't tell whether Thompson had been through the works that morning or not. There is a good air where I work; can't say so of any other place. It was Thompson's duty to have fold Beevors not to have gone if there was any danger.—C. Hammond: I was working in the next hole to where Cawthorn and Beevors were working about six o'clock. My hole is about 30 yards from theirs. Beevors shoulded to my brother, and told him his hurrier had brought one of the Oaks lamps with him. The blast went off in two or three minutes after. I was slittle burnt, Beevors and Cawthore severely. I was 30 yards from them when it went off. Can't tell the cause. Can only blame the low steward, who had been told about putting some boards up in the face of the broadgate, it offices of the slit. Beevors, in my hearing, asked Thompson two et three times to put some boards up in the face of the broadgate, to drive some sir, which would come back on the other side of the slit. Beevors is all to him, when going out, if the board had every time he would send to that d jury to judge which was the party.—He then called W. Cooper, Esq., who said he had leard the evidence; in his opinion the slit ought to have been cut through; had that been done no explosion would have taken place.—The Coroner summed up in an able manner; and, after a lapse of 35 minutes, the jury returned a verdet of "Accidental Death," adding, "through the numerous accidents at this pit there must be some neglect on the part of the managers." A correspondent says, in a posteript, "I have just been informed, that the managers of the above colliery have given some of the witnesses notice to quit their employment, for giving their evidence at the inquest."

COAL MARKET, LONDON.

PRICE OF COALS FEE TON AT THE GLOSE OF THE MARKET.

MONDAY. -Holywell Main 18—Wylam 18 3—Wall's End Haswell 21—Lambion 21—Whitwell 20—High Thornley 19 6—Adelside Toes 20 9—South Durham 29—Tees 21—WEDNESDAY.—Adalr's Main 17—Buddle's West Hartey 18—Carr's Hartley 18—Davison's West Hartley 18—Deavs Primrose 17 3—Delaval Hartley 17 6—Dipton Tanfeld 16—Hasting's Hartley 18—Holywell Main 18 3—Gri's Redhengh 16 9—Ravensorth's West Hartley 18—Townley 17 6—West Hartley 18—Wall's End Acorn Close 19 9—Bewicke and Co. 20—Bell and Brown 20—Clarke and Co. 18 6—Keepler 96 6—Ships at market, 187.

PRIDAY.—Buddle's West Hartley 18—Davison's West Hartley 18—Dean's Primrose 16 9—Dipton Tandeld 16—Hasting's Hartley 18—Holywell Main 16 6—Gri's Redhengh 16 9—West Hartley 18—Wylam 17 9—Wall's End Clarke and Co. 18 6—Gosforth 20—Hebburn 19 6—Külingworth 30—Eden Main 30—Braddyl's Hetten 30 6 to 20 8—Haswell 19 6—Kellice 30 6—Seymour Tees 20—Sundon 20 9—Marton 20 6 to 20 8—Haswell 19 6—Kellice 20 6—Seymour Tees 20—South Durham 20—The Duke 20—Tees 20 9—West Hetton 30—Cowpen Hartley 18—Derwentwater Hartley 17 6—Sidney's Hartley 17 9—Ships at market, 56; sold, 49; unsold, 7.

Current Prices of Stocks, Shares, & Metals.

Bank Stock, 7 per Cent., 196 7 3 per Cent. Reduced Ann., 88 4 3 per Cent. Consols Ann., 87 4 3 per Cent. Annusites.— 34 per Cent. Annusites.— 34 per Cent. Annusites, 9 4 India Stock, 104 per Cent., 241 3 per Cent. Consols for Acet., 88 4 Exchequer Bills, 1000f. 3d., 3 6 pm.

Balgian Bonda, 44 per Cent., 954 Dutch. 24 per Cent., 554 å Brazilian, 5 per Cents., 54 Chilian, 6 per Cents., 54 Chilian, 6 per Cents., 19 Moxican, 5 per Cents., 19 Spanish, 5 per Cents., 194 Ditto 3 per Cents., 394 Portuguesa, 5 per Cents., 61 Russian, 5 per Cents., 61 Russian, 5 per Cents., 61

Eschequer Bills, 1000f. 3d., 3 6 pm. | Bussian, 5 per Cents., 1081 8

Mines.—We noticed last week that a considerable reaction had taken place in the mining share market, and we are, therefore, pleased to state, that that improvement has continued throughout the present week. The transactions have not been confined to a few shares in one or two mines, but transfers to a large amount in several mines have taken place—whilst the same shares have continued in demand at buyer's prices up to our going to press. We are pleased to witness this manifest improvement, by the investment of capital in a property which we have for a long time advocated as safe and remunerative, when due caution is exercised in the selection of the stock. Mines paying dividends, or meeting their costs, may generally be considered as secure—not being subject to the great depreciation in price which frequently attend new mines brought out at great premiums, and to these purchasers appear to direct their attention—at the same time, ample oppgramities are afforded those who are of a more speculative turn to purchase in many new, although improving and progressing, mines.

aume time, ample opportunities are altorded those who are of a mose speculative turn to purchase in many new, although improving and progressing, mines.

East Wheal Rose meeting, held on the 30th, declared a dividend of 50th, per 128th share for May and June—leaving a balance of 2582th in the hands of the purser. The proceeds of the four sales of lead ores amounted to 12,908th in the two months.

In the Callington Mine shares, several transactions have taken place, and at advanced prices. Advices were received yesterday that, in the adit level, South Mine, towards Johnson's shaft, a bunch of silver ores had been discovered—some stones of the red oxide of silver have been shown as which are certainly very rich; this additional and unexpected improvement will have a tendency, no doubt, of raising the price of chares; and, if we may judge from the inquiries since made, that its influence is felt. We understand that some discoveries of silver have been made in Silver Valley Mine; but we have not seen any official report, as yet, confirming the same.

A large number of Condurrows have changed hands during the week, and they are now becoming rather scarce.

The continued improvement in East Crowndales has caused buyers at advanced prices. West Setons are now eagerly inquired for. Bedford United shares are likely to be in demand; and sellers have increased their former limits. A large number of Heiguston Downs shares have changed hands this week.

Carn Brea. Herodsfoot, Trehane, West Wheal Tolgus, Trehawney, East

former limits. A large number of Heiguston Downs shares have changed hands this week.

Carn Brea, Herodsfoot, Trehane, West Wheal Tolgus, Trelawney, East Wheal Rose, Mendip Hills, Holmbush, &c., are inquired for, and may find buyers at or near our quoted prices.

The following shares have changed owners during the week:—Wheal Ash, Callington, Carn Brea, Condurrow, Devon and Courtenay, East Crowndale, Gwinear Consols, Herodsfoot, Herodscombe, Holmbush, Mendip Hills, Trehane, Treleigh, Blaenavon, Bedford, Treviskey and Barrier, West Wheal Providence, Heignston Downs.

There does not appear to have been many transactions in the foreign mine shares this week.—we believe the business has been confined to Cocaes, Australian, St. John del Rey, and Imperial Brazilian Mining Company (per H.M. steamer Rattler), by which we learn, that the Cocaes Mines are looking remarkably well—the returns having been doubled, and which, should the improvements continue, will be greatly increased.

Important information is anticipated from the Imperial Brazilian Mines, the same having been dispatched by a sailing-vessel the day prior to the Rattler's leaving; these letters, which are up to the 2d of July, are looked for with much anxiety, as they are expected to contain some intelligence relative to the Bananal Mines, the newly-nequired property of this company.

The Asturian Mining Company held their adjourned meeting on the 30th, when the directors presented their report, showing that vast profits would accrue from an additional outlay, recommended by an eminent engineer. The profits for the present year will enable the directors to pay a dividend—the propriety of appropriating the same to be deferred for the sanction of the meeting, to be held in October next.

Yesterday, dispatches were received from the mines by the South Australian Mining Company, which, we learn, are of a saisfactory and important character; but we are not prepared to furnish them this week.

STOCKS AND SHARES-FLUCTUATIONS IN VALUE.

The following table has been prepared, in order to exhibit, at a glance, the fluctuations which have taken place during the past eventful month in the chief public securities and principal railway shares. The greatest variation within a week occurred in that ending the 7th August, during which period Consols fell from 88 to 86 to 4 difference of no less than 1 per cent., and Exchequerbills from 10s. premium to 5s. premium. In railway shares, Eastern Counties declined from 20 to 19. Great Western from 15 to 199. London and North-Western from 176 to 170, and Midlands from 127 to 129. Towards the close of the month prices have improved, but corn, of which we give the official weekly averages from the Gazette, is an exception. The prices of wheat at Mark-lane have been considerably under the official quotations, sales having taken place on Monday, the 30th August, at from 50s. to 56s. per quarter.

5: HQ Music	Description of Stock. BRITISH FUNDS.	Highest	Lowest	At Ang
	lank Stock	198	195	195
7	Three per Cents. Reduced	89	864	872
T	hree per Cent. Consols	*** 884 ** **	864	*** - 874
T	hree-and-a-Quarter per Cents	907	884	894
I	ndia Stock	244	239	
S	outh Sea Stock	984	954	***
	xchequer Bills (1000L)	10p	2p	Зр
	RAILWATS.	1.Trivestiti labble si	ARTHUR DESIGNATION	
E	Castern Countles (share paid up, 141)	20	184	185
	reat Western (ditto, 85)			
N	forth-Western (100/. stock)	176	163	167
	onth-Western (share paid up, 414)	68	60	602
	Seighton and South Coast (501. stock)	107	408	1104
	(anchester and Leeds (shares paid up, 82)			
	outh-Eastern (ditto, 334)			
	ork and Newcastle (ditto, 25)			
	ork and North Midland (ditto, 50)			
	Vheat, weekly average, per Gazette			
B	ank's minimum rate of interest	51	. 5	64

RAILWAY TRAFFIC RETURNS

Name of Railway.	Lgth. Rway.	Present ac-	Price per share	Last Div.	Traffic I	1846
Arbroath and Forfar	15	£179,939	261	3 p.c.		£221
Chester and Birkenhead	15	658,298	394	24	870	726
Dublin and Drogheda	35	689,248	84	34	975	975
Dublin and Kingstown	74	473,282	-	9	1307	1378
Dundes and Arbroath	16	156,323	39	6	-	-
Dundes, Perth, and Aberdeen	47	285,745	35	6	1174	546
East Lancashire	30	2,207,490	178	-	1095	-
Eastern Counties	226	6,513,026	184	7	12034	9180
Eastern Union	144	531,021	59	DE VO	1108	630
Edinburgh and Glasgow	48	2,275,435	61	6	4299	4375
Glasgow, Paisley, and Ayr	604	1,567,281	121	1	2814	2422
Glasgow, Palsley, & Greenock	23	835,918	181	2	1576	1421
Gt. Southern & Western, Ireland		1,343,718	30	100	1634	-
Great Western	241	9,714,939	108	8	20907	20678
Kendal and Windermere	10	147,001	244	3.00	258	-
Lancaster and Carlisla	70	1,209,913	59	1955 U	1697	State .
London and North Western	282	18,042,004	1674	10	46677	48825
London and Blackwall.d	Danie.	1,102,717	6	11	-	1466
London, Brighton, & South Coast	137	5,109,667	49	7	11285	10240
London and South-Western	1961	5,836,132	614	9	10252	7977
Londonderry and Enniskillen	144	(1) min	24	-	The same by	-
Manchester & Leeds	1471	8,096,39%	954	51	* JI = 1	7362
Manchester, Sheffleld, & Lincolnsh.	491	1,678,108	89	5	3044	1996
Maryport and Carlisle	28	414,895	1000	-	718	628
Midland Company	371	7,862,274	119	7	23524	20407
Newcastle and Carlisle	65	1,184,086	118	. 5	2643	2443
Norfolk	704	1,199,689	105	7	2201	1826
North British	78	1,459,958	39	-	2904	2080
Shrewsbury and Chester	17	591,156	211	-	568	-
South Devon	29	1,061,283	28	5	1203	740
South-Eastern	1571	5,888,411	344	- M	19039	11289
Taff Vale	38	888,411	S	6	D	1412
Ulster	25	358,353	52	5	771	654
Whitehaven Junction	19	91,274	-	-	223	-
York, Newcastle, & Berwick	2261	3,683,102	854	9	10013	7582
York and North Midlend	182	2,483,256	76	10	9987	7818
Total carnings for last week, &	211,533	, being an inc	rease of £3	9,943	wer last	year.

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time pas quantities and the same to con-to circult and the PONTY perty of comprusors of any a finite par BLAEN wife of our con-wife of our con-toning the same to a nimal sh spine. So of Richam

LATEST	LONDON, SEL	TEMBER 3, 1947. 1949 MIL 1941 14.
Inon-Bar q., Wales ton	£ 0 £ 0 6 15	O YELLOW METALSHEATHING 0 0-0 0 91
London	0 0- 9 15	0 Tin-Com. blocksgcut. 0 0-4 5 0
Nail rods	0 0-10 18	0 bars 0 0-4 6 0
Hoop(Staf.)	0 6-12 0	0 Refined 0 0- 4 10 0
Sheet	0 0-18 0	0 Straits 0 0-4 2 0
Bars	0 0-11 6	0 Banca 0 0-4 4 0
Weish cold-blast?	4 10- 5 5	TIN-PLATES-Ch., ICi, box 1 8- 1 10 0
foundry pig 1	4 10- 0 0	" IX 1 14- 1 16 0
Scotch pig b, Clyde	3 6-3 8	0 Coke, IC 0 0-1 5 0
Rails, average	0 0-9 0	0 IX 0 0-1 11 0
Russian, CCNDc.	0 0	Luan-Sheet & fon 0 0-19 10 0
PSI	0 0	Pig, refined 0 3-20 5 0
" Gourleff	0 0	" common 0 0—18 10 0
. Archangel		o spanish, in bd. 0 0—18 0 0
Swedish d,on the spot	11 5-11 10	0 Red 11 0-19 10 0
Steel, fagt.	0 0-16 5	0 Dry White 0 0-24 0 0
	14 15-15 0	6 Ground ditto 19 0-22 0 0
COPPER-Tilef		0 Shot (Patent) 0 0-21 0 0
Tough cake		0 SPELTER-(Cake) on spot 0 0-19 0 0
Best selected		0 , for arrival 0 0-19 0 0
Ordin. sheets, Ib	0 0-0 01	1 Zmc-(Sheet) m export. 0 0-27 0 0
bottoms	0 0-0 01	2 QUICKSILVERS
OF SAMPHON OF STREET	AUCTOR LAND	

MONTHLY REPORTS.

[From our Correspondents.]

Inon.—The demand for Welsh Bars continued good throughout the past month, and the makers are, consequently, so failly accessing, that it is difficult to get new purchases executed under four to six weeks.—Staffordship remains firm, and Sheets and Hoops in Good requested to the four to six weeks.—Staffordship remains firm, and Sheets and Hoops in Scotch Fig. in the past month, were more than usually limited—the few sales which was a limited demand, but, as stocks are low, the prices are firmly maintained.

Correspondent of the staffordship representation of the same may be add of Yellow Metal Sheathing, and prices of both are steady.

Tail—On the 27th ult. the price of English was reduced as, per ewt, on Common, and its per evt. on Refined; the latter quality is, however, caree, and not adequate to the demand for present use. The prices of Foreign have been unsettled since the Dutch sale in July. On the 11th ult. 350s slabs of Banca, and 2049 of Straits were offered by public auction, but no sale of either was made. Since then, Banca has been sold at 86s., and straits at 83s. to 84s., which prices ruled up to yesterday, when 180 slabs of Banca were sold by auction, at 81s. to 82s. This small sale has not established lower prices with holders generally, who continue to demand our quotations, which, however, under existing dreumstances, must be considered as nominal. The stock of Banca and Straits of Sanchas were series of Spanish continue to demand for exportation for the last five or six weeks, and for some time past.

Sept. Ten.—The Improvement noticed in last month's circular continues, and a further improvement has taken place in Wolds have get the work.

SPEXTER has not been in demand for exportation for the last five or six weeks, and during the past month it feil 20s, per ton—at 191. a few parcels have been taken for home ass. The stock on hand is 2900 tons.

IASN.—The improvement noticed in last month's circular continues, and a further improvement has taken place in Welsh bars at the works. Nearly all the makers are full of orders for the next two months; and none are disposed to make sales under 84. 19s., which is freely paid. Railway bars have improved within the last few weeks, and several orders have been taken at an advance of about 7s. 6d. to 10s. per ton. Staffordshire from of every description is in good demand, and makers are realising full prices. Scotch pig has declined about 2s. 6d. per ton during the last fortnight, but the makers are not disposed to take orders under 2s. 6ds. per ton above the present quotations.

ENGLISH COPPERS is in very good demand, and makers full of orders. The parcel of 130 tons of Alten is still on the market.

ENGLISH TIN has declined 2d. per ton since last month, and not much business doing. About 3500 silas of Banca, and 2050 silas of Straits, were offered at public sale about the middle of the month; a and the whole bought in at 88s, for Banca, and 85s. to 86s. for Straits; since which private sales of Straits have taken place at 84s., and 180 silas of Straits, however, are much firmer at present. Tiss-Paarse continue duit of sale.

ENGLISH Pro-LEAR continues in moderate demand, and without any alteration in price. The stock for this day is 2900 tons.

SPEXTER has been rather neglected during the month, and has declined about 11, per ton. Within the last few days some small lots have been sold at 194. 5s., and about 50 tons at 194. The stock here this day is 2900 tons.

GLASGOW PIG-IRON TRADE, SETT. 2.—Our iron market continues in a very de-pressed state, with almost no business doing. Mixed Nos. may be quoted at 67s., each free on beaut.

GLASGOW PIG-JRON TRADE, SEFT. 2.—Our from market continues in a very degree on beard.

EDINEURGH, Arc. 31.—The recent tremendous fall in the grain market has caused many serious failures, and created much uneasiness and alarm. Forced sales of shares have followed, and prices are, consequently, nearly all lower than they were last month. A feeling gains ground, however, that the present crisis is nearly blown over, and that mometary affairs must shortly improve. The abundance of the harvest, and consequent cheapness of food, are confidently expected, to produce their usual effects in all branches of trade; and, should the Bank of England relax their action, as it is anticipated, no securities will be more benefited than railways. If things, then, are not yet come to the vorart, they are certainly not far off it!

The adjourned special meeting of the Scottish Central, held at Perth, on 5th curt., for the purpose of considering the propriety of an arrangement with the Edinburgh and Glasgow Bullway, was churacterized by certain very extraordinary proceedings. The distribution of the standard of the standa

Northern, the shares of that undertaking are understood to have been considerably beared of late, although, at its present rate of discount, it yields about 5½ per cent.

THE IRON TRADE.—Notwithstanding the return of a heavy pressure on the money market, and the alarm justly created by stoppages to an unprecedented extent that have taken place in the corn trade, another fortraight of steady busines in iron has been enjoyed, with prices well supported, and a more lively demand than is usual during the middle of the quarter. To refer this demand at the present intense to anything like a speculative movement would be about it and it is well-keep conclusion, and a subject of congratulation, that the legitimate home consumption of the congratulation, that the legitimate home consumption of the congratulation, that the legitimate home consumption of the congratulation, that the legitimate home consumption of expect of alling-off of experis consequent upon the abandant supply of provisions secured in our own country, and even the deranged state of the monetary system, were insufficient grounds for serious alarm to the iron trade; but the successful to the trade their which cannot be looked upon otherwise than with distruct—and this is, the mains now revealing of iron contents and the size of the content of the c

NEW PATENTS.

W. S. Ward, of Leeds, York, for improvements in communicating motive power, which re applicable to working signals and breaks on railways; and also improvements in ammunicating intelligence, signals, and motive power, by the agency of voltaic electricity. R. Madigan, Haverstock-hill, Middlesse, for certain improvements in railway ura fables. C. Chabot, Skinner-street, Snow-hill, for improvements in railway carriages, and in the buffers and other apparatus connected with such carriages.

H. Davy, Osery St. Mary, Devon, for improvements for separating copper and other

H. Davy, Ossery St. Amy, Deven, for improvements in machinery for cutting India rubber, it rendering fabrics waterproof, and in making articles from fabrics so rendered waterproof.

R. Oxland, Plymouth, for improvements in dyeing, parts of which improvements are applicable to the manufacture of metallic alloys. — Mechanics' Magazine.

applicable to the manufacture of metallic alloys.—Mechanics' Magazine.

DELABOLE SLATE QUARRIES.—A correspondent informs us that, for some time past, the greatest activity has prevailed at these quarries; and that the quantities of slate manufactured, and sent to the country, and to the place of shipment, is truly astonishing. This cheerful state of things is most gratifying, as it confers great advantages on the public, by causing a large amount of cash to circulate amongst the labourers and tradespeople at Delabole, Port Isaac, and the neighbourhood in general.—West Briton.

PONTYPOOL.—The extensive and valuable works in this locality—the property of Capel Hanbury Leigh, Esq.—are about to be let. Various and conflicting rumours are afloat as to who will be the probable lesse; but, in the absence of any accurate intelligence upon the subject, we can, at present, give no definite particulars.—Monmouthshire Merlin.

BLAENAYON.—We regret to learn, that on Tuesday last, as Mrs. Deakin, wife of our correspondent, Mr. T. Deakin, mineral agent, was riding a spirited horse to Abergavanny, whe had not proceeded very far on the road, before the animal threw her, causing a very severe fracture on the back of the head and spine. She is still in a very precarious state; but, under the skilful treatment of Richard Steel, Esq., surgeon, it is hoped she soon will recover.

ì	BRITISH MINES BRITISH MINES Company Paid Price						
į	BRITISH MINES.	BRITISH MINES continued.					
	Shares. Company. Paid. Price.	Shares. Company. Paid. Price.					
8	1000 Abergwessin 7 12	256 Sth. Friendsh. Wh. Ann 16 25					
8	1024 Alfred Consols 4[30	9000 South Tamar					
	235 Andrew and Nanglies 284 10	800 South Towan 10 14					
	10000 Ayrshire Iron Company 5 43	256 South Trelawney 151 7					
	128 Balnoon Consols 25 25	128 South Wheal Basset 110 65					
Í	10000 Barwen Iron Co 2	256 South Wh. Hope 5					
į	198 Regord Lead Mine 14 10	256 South Wheal Rose 114. 1					
	315 Birch Tor Tin Mine 241 5	10000 Southern&Western, Irish 2 4-5					
	315 Birch Tor Tin Mins 24 5 3000 Blacasvon 50 21 100 Borallack 175 140 130 Brewer 5 7 10009 British Iron, New, regis. 10 152 — Ditto ditto, scrip. 10 19 128 Budnick Consols 52 40 128 Burthy 20 21 100 Bwisch Cwmerfin 20 — 128 Callestock 17 30 1000 Callington 19 45	256 St. Austell Consols 9 14					
	120 Brewer	94 St. Ives Consols 320					
V	- Ditto ditto, scrip 10 19	128 St. Michael Penkivel 5 10) 1000 Stray Park 43 29 9600 Tamar Cousols 5 51 1024 Tavy Consols 3 4 4 6000 Tincroft 7 8					
	128 Burthy 20 21	1024 Tavy Consols 31 4					
i	100 Bwich Cwmerfin 20 —	1000 Tincroft					
ļ	1000 Callington 19 45	1000 Tin Vale Consets					
3	1000 Callington 19 45 256 Caradon Copper Mine 9½ 1 256 Caradon Mines 22½ 17 256 Caradon United 24 10 256 Caradon Wit. Hooper 20 4 4 10 256 Caradon Wit. Hooper 20 256 Caradon Wit. Hooper 256 Ca	256 Trehane 2 241 5000 Treleigh Consols 6 4					
ij	256 Caradon United 24 10 256 Caradon Wh. Hosper 20 4	256 Trehane 2 241 250					
	1000 Carn Bres	96 Tresavean 10 250					
ľ	2048 Cascade						
	166 Cleveland 9 5	256 Trewollick 20 . 10					
1	512 Coatlithe Hill 1-14	128 Trewellard 12 261					
d	500 Comblava 5 44	256 Wellington Mines 15 30 128 West Basset 45 25					
į	128 Comfort 45 100 256 Condurrow 2040-43	256 West Caradon 20 168					
H	2560 Cook's Kitchen 14 51	128 West Cargoll 2 12 512 West Fowey Consols 40 15					
9	128 Comfort 45 100 256 Condurrow 20 40-42 2560 Cook's Kitchen 14 54 1000 Coombe Valley Quarry 14 2 1000 Copper Bettom 1 5 1024 Coaleem 4 20 249 Craddock Moor 15 15 125 Creeg Braws 120 100 500 Cubert Mine 124 23	256 West Grambler 7 8					
j	240 Craddock Moor 151 15	206 West Providence 1 121 200 West Seton 40 95 — West of Scotland IronCo. 210 212					
3	126 Creeg Braws120 100	- West of Scotland IronCo. 210 212					
j		256 West United Hills 24 4					
į	7100 Derwent 84 5 1024 Devon&CourtenayCon. 6 2	256 West Wh. Friendship. 71. 3 3845 West Wheal Jewel. 11 . 14					
	1094 Devon Great Consols., 1 250	2560 West Wheal Jewel					
j	196 Delegath 20 50	256 West Wheal Shepherd. 5 24					
í	2560 Drake Walls 4 4 10000 Durham County Coal. 45 9	256 West Wheal Tolgus 211 11 256 West Wheal Treasury 19 10					
1	256 East Alvenney 6 26	5200 Wicklow Copper 5 112 184 Wheal Adams 41 10					
9	2560 Drake Walls	1000 Wheal Agar 8					
	128 East Pool 5 55						
١	100 East Relistian 22 40	256 Wheal Allen					
1	- East Wheal Albert 1 3	128 Wheal Ann					
1	256 East Wheal Fortune 2 3	512 Wheal Anna Maria 5					
1	100 East Relistian 22 40 9000 East Tamar Comsols 12 2 94 East Wheal Albort 1 3 94 East Wheal Crofty 280 125 236 East Wheal Fortune 2 3 128 East Wheal Fortune 2 13 128 East Wheal Rose 50 1300 2049 East Wheal Rose 50 1300 2049 East Wheal Rose 14 20 256 Elborough 14 20 256 Elborough 1 22 256 Exmoor Wh. Eliza 3 11 12 Forey Consols 40 45 6400 Gadair 2 2 20000 Gadvarised Iron Co. 10 91	128 Wheal Arross					
١	- East of Scotland Iron Co. 24 11	120 Wheal Bal					
j	256 Elborough 14. 24	256 Wheal Benny 64 5					
1	512 Fowey Consols 40 45						
j	\$400 Gadair 2 2 2 2 2 91	256 Wheal Byon Consols. 4. 4 256 Wheal Calstock 3 4					
3	10000 Gen.Mining Co.for Irel. 2	136 Wheal Clifford 190 190					
ĝ	256 Gonamena 312. 70	6000 Wheal Curtis 2 2-21					
1		256 Wheal Caistock 3 4 136 Wheal Clifford 190 190 128 Wheal Courtenay — 20 6000 Wheal Curtis 2 2-24 256 Wheal Dyke 12 13 256 Wheal Fortescue 54 8					
ì	100 Great Consols 1000 400 256 Great Callestick Moors 22 25	512 Wheal Fortune Consols 34 64					
d	256 Great Michell Consols 11 3 256 Great Resugga Moor 3 31 512 Gt.Wh.Rough Tor Con. 61 30	2046 Wheal Franco 27 35 1024 Wheal Grace 3 22					
į	512 Gt.Wh.Rough Tor Con. 64 30	128 Wheal Harriet 45 50					
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ا	10000 Hibernian 12} 15	256 Wheal Maude					
j	239 Hobb's Hill 6 3	120 Wheal Reeth 27 30					
i	827 Kirkcudbrightshire 51 7	128 Wheal Rose 60 45 2048 Wheal Samson 20 20 20 20 20 20 20 2					
1	2048 Lamherooe Wh. Maria 10 3	256 Wheal Sisters 294. 35					
ġ	160 Ladant	256 Wheal Sophia 31 10					
j	1000 Lewis	128 Wheal Spearne 10 75 128 Wheal St. Ann 9 15 260 Wheal Trelawney 72 110					
4	3600 Llynvi Iron 5000-05						
ì		256 Wheal Tremayne 35 25					
4	6000 Marke Valley 10 \$	256 Wheal Trevenna 3 4					
	128 Ludcott	206 Wheal Tremapue					
j	& Slate Slab Co 3	256 Wheal Vlow (Perrang.)					
	20000 Mining Co. of Ireland	184 Wheal Vyvyan 60 256 Wheal Williams 6 18					
ı	200 Now Hast Crownone 3 3 3 2 128 North Fowey Consols 30 39 100 North Pool 45 370 70 North Roskear 104 370 512 North Treburget 2 3 100 North United 72 15 266 North Wh. Lésure 1 3 128 North Wh. Lésure 1 3 128 North Wh. Lésure 1 3 128 North Wh. Providence 24 8 15000 Northern Coal Co. 23 2	Short of the Table of the State					
	70 North Roskear 104. 370	Townson and the					
	100 North United 72 15	FOREIGN MINES.					
	266 North Wh. Abraham 12	5000 Alten Mining Company 141 32 15000 Asturian Mining Co 10 7					
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		13000 Asturian Mining Co. 10 7 7 7 7 7 7 7 7 7					
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ı	ate Dissert Wh Vecland 41 10	10000 Concest Mining April 00 151					

1980	Perran St. George Un.	3	20	
128	Perran Wh. Virgin.	9	15	
15	129	Perran Wh. Virgin.	9	15
15	129	Perran Wh. Virgin.	9	15
15	129	Perran Wh. Virgin.	16	
15	129	Perran Wh. Virgin.	2	
16	16	Perran Wh. Virgin.	3	2
10000	Rhymney Iron.	30	30	
10000	Ditto. New.	7	6	
256	Hose Comeols	10	2	
1000	Rosewall Hill	1	5	
256	Hosewarra Mines	12		
256	Hosewarra Mines	12		
2500	Siver Valley	5	2	
1024	South Callington.	5	5	
128	South Callington.	10	450	
2000	South Dolcoath.	2	1	
** We should feel greatly obliged by ages				

MISCELLANEOUS COMPANIES.

Shares.	Companies. Assam Tea Company	Paid.	Div. p. cent.	Price.
10,000	Assam Tea Company	£20		£ 3
1,080	Auction Mart		& 1	26 28
10,000	Australian Agricultural	30	1	20 22
10,000	Australian Trust	35		30
8,000	British Alkali	25	4	161 161
10,000	British American Land	354		14
8,600	British Rock and Patent Salt	35	18	11
8.915	Canada		6	284 30
0.00	City Bonds (Navigation)		31	89
1,800	Corn Exchange	374	H	264
5,000	Droitwich Patent Salt	25	19	
2,700	Equitable Reversionary	95	41	87
SHAPE	General Reversionary Interest	:. 100 ···	5	104 106
20,000	General Steam Navigation	14	14*	23
Richolds Po	Hudson's Bay Stock		10	230 240
2,100	Hungerford Market	100		44
1,500	London Commercial Sale Rooms		11	31 32
8,000	London Reversionary	4 22		
800	Margate Pier		10	196
10,000	Mexican and South American	7		34 4
20,000	New Brunswick	78		THE RESERVE OF THE PERSON NAMED IN
11,600	Peninsular and Oriental Steam	50	7	57
6,600	Ditto	40		
5,887	Reversionary Interest Society	100	4]*	
Me -	Royal Mail Steam		54	
	South Australian	25	6	
20,000				93 94
20,000	Ditto		8	
10,000	Van Diemen's Land	20		. 3. 4
THE STATE OF	Those marked with an asteri	sk (*) are d	lividend per share	e
	The state of the s	Service of the last of the las	TO STATE OF THE PARTY OF THE PA	STATE OF THE PARTY.

	JOINT-STOCE	BA	NES.	EV19t			
hares.	Companies.	Paid.	Die	p. cent.	Pric		
	Australasia		*******	£3	£174	164	
	British North American		*******	. b	454		
0,000	Colonial	25	******	A	15	16	
4 000	Commercial of London		*** ****	6	22	23	
	London Joint-Stock	25	******	6	244	35 S	
	London and Westminster			6	161	215/9	
	National Provincial of England		*******	5	25	46.45	
	National of Ireland					198	
	Provincial of Ireland			8		1935	
4,000	Ditto New		** ** ** **	8	16	3821 (v	
	Union of Australia			6	24	25	
0,000	Ditto New	24		6	24	2	
0,000	Union of London	. 16	*** * **	5	134		
ships	GAS-LIGHT AND CO	KE	COMP	ANTES	179.4	26.0	
ares.	Companies.	Paid	A 100 TO	p. cent.	Price	PHAT	
5,000	PERCHASING THE PROPERTY OF THE PROPERTY OF THE PERCHASING THE PERC	-		£1*	£18	1.40	
5,000	Ditto (country)	10		16*		01/1967	
4,000	Equitable		******			Block, c	
0,000	European	20	*******	14		19	
2,000	Gas-Light and Coke Chartered Co	50	110000	A SQUARE OF THE	60	13 lu 17	
6,000	Ditto New	10		6	12	15/49	
9,000	General United Gas-Light Company	80	*******	2	18	CHENG	
	Ditto Debentures		*******			102	
2,000	Independent	40		6		altrocks	
3,000	London		******			51	
	Ditto		** ** ** **			COST .	
1,000	Phœnix, or South London	43	Acc	0		4	
	South Metropolitan			6	75	903	
4,500	Pourer area chounty	1	*******	\$ 45	1015	924	
12/11/2	AND THE RESIDENCE OF THE PARTY				-		۸

RAILWAY LABOUR.—The cessation of railway operations is not a consummation to be lightly contemplated. Here is the result on one line, the Edinburgh and Northern:—The number of workmen who will be thrown out of employment, as far as the construction of the Edinburgh and Northern Railway, from Burntisland to Cupar and Newburgh (now all but completed), is concarned, will be as follows:—Kinghorn district, 1638; Lochgelly branch, 1732; Markinch district, 1076; Newburgh district, 788; Cupar district, 102—total, 7336. Of these, 4809 are Scotch, 16 English, and 2511 Irish. There are 766 masons, 160 joiners, 116 smiths, 224 miners, 384 carters, and 5486 labourers.

The opening of the double-gauge line to Cheltenham has been again deferred. It has been found that certain alterations in the level of the rails are necessary. As we are speaking of this locality, we may mention that the Birmingham and Gloucester is to be relaid with heavier rails throughout.—Railway Chronicle.

It is rumoured that Mr. R. Stephenson has relinquished his office as consulting engineer to the South-Eastern, and that Mr. Harlow, who has been acting engineer for a long period, will be his successor. All the practical realization of the late works on this line has been superintended by Mr. Barlow.—Ibid. The works on the Oxford and Rugby line are talle resumed next week.

Sampled August 18, a

COL	PER	ORE	5.	MSOLIT TOO		
and Sold o	t White's	Hotel,	Pool,	September	2,	1847.

Mines. Tons. Price.	Mines. Tons. Price.
North Roskear 111 £8 5 6	Wh. Seton 106 £5 2
ditto 107 7 5 6	
ditto 102 5 10 6	
ditto 97 6 4 6	Fowey Consols 80 5 6 6
ditto 94 1 16 (ditto 72 6 0 0
ditto 89 8 19 (ditto 61 3 3
ditto 78 1 19 (ditto 55 4 6 (
ditto 74 5 4 (South Wh. Francis 90 12 15
ditto 72 5 8 (ditto 89 6 5
ditto 67 5 8 (ditto 54 14 17 0
ditto 50 5 17 (ditto 30 1 5 (
Consolidated Mines 90 5 14	Creeg Braws 76 6 15 (
ditto 86 7 7 (
ditto 82 8 0 (ditto 24 4 19 (
ditto 74 6 11 6	ditto 20 4 3 (
ditto 73 4 5 (South Roskear 56 5 13 (
ditto 71 8 2	Wh. Chance 55 5 11 (
ditto 63 4 11 (Wh. Bucketts 57 4 16
ditto 55 6 5 (ditto 43 4 13 4
ditto 50 8 0 t	
ditto 44 5 18 (ditto 16 2 9 (
ditto 2 33 0 (Wh. Harriet 60 4 19 (
Tincroft 81 4 0 (ditto 14 1 14
ditto 62 1 17 (South Wh. Basset., 57 4 17
ditto 57 3 12	ditto 1 45 8 6
ditto 48 4 1 (East Seton 44 4 4
	Wh. Busy 29 3 5
ditto 34 9 9	ditto 13 2 16
ditto 31 7 8	Wh. Trephena 27 18 7
ditto 26 2 1	6 Tretoil 12 1 18 (
ditto 19 3 5	6 . Wh. Catherine 6 5 10
A STATE OF THE PARTY OF THE PAR	TAL PRODUCE.
Continue of the state of the st	10 0 ! Wh. Bucketts 100 £ 474 19
	13 0 Lanivet Consols 93 445 7
Tipcroft	3 6 Wh. Harriet 74 321 3 0
THE COLOR TO SEE	6 O Court Wh Down 10

321 12 184 16 131 7 496 2 22 16 35 14

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COMPANIES BY WHOM THE ORES W						
Mines. Mines Royal	Tons	delivery of	Amor	ant	. 17	
Mines Royal	170	£	954	3	0	
English Copper Company	776		4117 1	7	9	R
Vivian and Sons	570				9	
Freeman and Co			1948	1	6	Ä
P. Grenfell and Sons			2774 1	3	0	
Sims, Willyams, and Co			3235	8	0	
Williams, Foster, and Co	721	******	5076 1	3	6	
The state of the s	-		1021191		-	
Total tons	3594	£21	,155	3	6	

Copper ores for sale on Thursday next, at Andrew's Hotel, Redruth.—Mines and F. cels.—Carn Brea Mines 901—Aifred Consols 419—United Hills 312—Par Consols 31 Wheal Prosper 218—Levant 179—Wheal Agar 58—Botallack 46—West Wheil Treas 42—North Wheal Baset 40—Wheal Virgin 37—Rokenhury 36—Great Work 90—W

Sole	LEAD ORES l at Holywell, on the 26th August, 1847.	1
Penrhynblas Westminater ditto Belgrave Jamaics ditto Bwlehyddwryn Cwmystwith Llwynmailes Calrismore ditto ditto Butto Wicklow Wicklow	15	Co Co Co
Frungoch Sold Wheal Trelawney	at Aberystuth, on the 26th August, 1847	
Walker, Parker, a Tamar Smelting C Simes, Willyams, N B. Somers—Briste Combinartin and J	BOUT 100 TORS (20 CWIS.) NEWTONARDS LEAD ORE	4
English Copper	COPPER ORES. amies by whom the Ores were Purchased, at the SWANS SALE of August 26, 1847:— Tom. 366	BEA

 cessal and Co.
 624
 5769
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 enfell and Sons
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 illiams, Foster, and Co.
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 9729
 8

NOTICES TO COMMESPONDENTS.

26, Pause-sen

SALMON MANSELL, as acting for the proprietors.

vert's Syray Purr.—The communication, signed "Rhendda Collier," is so greatly evariance with all the information we have previously received respecting this inventon, that we must heeisted in giving it insertion before making inquiry. Besides, we we stearly completed a descriptive article, with diagrams, and which will appear tut week 2 journal, when our correspondent, and others interested, will have an optimisty of becoming better acquainted with the merits of the Spray Pump than they

SILVER AND GOAD MISSES OF THE NEW WOALD.-There is no cause for the late delivery of the Journal, and mu-necies on the part of the agent of whom it is ordered;—the pape from our office at Eleven of chock on the Saturday morning, and ca ersons at, or very shortly after, that time.

WHEAT TREASURY.—The communication was not received in time for the tention which its matter requires before publication, but due notice shall be ERRATUS:—In Mr. Reed's letter on his Improvements in Railway Chai Journal, 43d line from top, for "new nails," read "trenalla."

war is published at about Eleven o'cleck on Satur dreef, and can be obtained, before Twelve, of all , and other parts of London.

THE MINING JOURNAL Raillony and Commercial Sagette.

LONDON, SEPTEMBER 4, 1847.

The state of the mining share market generally is not much improved since our last publication. True, there is an improvement—things are firmer, more active, and looking up; and the actual notations are, in many cases, higher. There is that motion, in fact, which precedes a general and decided advance—that elasticity which foreruns an enlarged circle of operations; but the encity which foreruns an enlarged circle of operations; but the enlargement and the advance are, as yet, comparatively limited. The torpor of the money market at large is one chief cause of the torpor of the market of shares; and the very serious extent of failures in the corn trade has contributed to check the rising tendency of mining quotations, as well as in some measure to lower the feelings of confidence and improvement in many departments of business, which, but for this circumstance, it would be our happiness to announce. It is said, indeed, that the sums involved in the corn tailures amount to nearly five millions. We hope this is an over statement; but any such sum would, it is most certain, weaken the ascending wings of our trading and mercantile interests, and, amongst them, very decidedly those of mining. But it would be idle to apprehend the permanency of those, or of similar, causes of depression. Looking at the active industry of this great nation—its skill, and assiduous application to all the enriching and reprodepression. Looking at the active industry of this great hatten-its skill, and assiduous application to all the enriching and repro-ductive arts—a prosperous revenue—an employed people—a full harvest—and universal peace—we are free to sprinkle our general mercantile horizon, and our mining especially, with many and encouraging lights.

The anthracite district of South Wales seems to be rising rapidly into importance in the production of iron. Ten years ago there was only one establishment, of three or four furnaces, in operation at Yniscedwyn, in the Swansea Valley-now there are no fewer than nine concerns, possessing 32 furnaces, of which 23 are actually in blast at this time. The following are their names, with the number of fornaces in and out of blast .-

As's eas 1211000 .	The same of the sa	
Furmaces.	In blo	
7	Yniscedwyn(Mr. Crane's) 7	0
	Ystalyfera—(Budd & Co.) 7	
	Venallt-(Jevons and Wood) 2	
	Gwendraeth 2	
	Onllwyn-(Williams) 2	
2	Abernant-(Neath Abbey Company) 2	0
2	Trimsaran-(Nerton and Co.) 1	1
2	- (Liewellyn and Sons) unfinished 0	***** 2
1	Banwen 0	1
and .		

With a fuel so difficult to deal with as anthracite, the quantity of iron produced by each furnace is not so large as the furnaces in the bituminous districts of Wales and Staffordshire turn out, but the bituminous districts of Wales and Staffordshire furn out, but the quality is acknowledged to be of a very superior character, as is proved by the large quantities which are sent to the mills and forges in Staffordshire. Taking the average production at 50 tons each furnace per week, the whole make of the 23 furnaces in blast is 1150 tons per week, or 59,800 tons per annum—a quantity by no means insignificant. Besides the furnaces already mentioned, there has lately been erected at Briton Ferry, near Neath, a powerful mill for rolling bars and rails from anthracite iron, and capable of turning out about 400 tons per week.

The hindrances, which interfered so much with the progress of her Majesty's steam squadron down the Channel, and obliged the QUEEN, contrary to her first intention and arrangement, to take shelter in Dartmouth Harbour, is another proof, among many previous ones, which might be adduced, of the inexpediency and loss of making a port high up in the Channel, the point of departure for vessels going westward from the southern coast of the kingdom. The Royal flotilla, it appears, stood out of Cowes Roads about 6 A.M. on the morning of its departure; and, with a stiff breeze up the Channel, found itself at day down still eastward of the start, and, for that reason, and because the breeze continued right a-head, brought up for the night in the little haven of Dartmouth. Had the Royal party embarked in the morning at Plymouth, or better still at Falmouth, by nightfall the fleet would have been high up in St. at Falmouth, by nightful the neet would have been high up in St. George's Channel, and enabled to pass the night in any of the ports which it would have found on its starboard bow. Instead of that, the first fine August night was wasted in a little roadstead on the Devonshire coast, and the second under shelter of one of the Scilly Islands—thus passing two nights in the English Channel, when, by a better-chosen port of embarkation, the fleet might, in less time than had elapsed since it loosed from Cowes, have been comfortably moored in Lidford haven. We know, of course, that there was no absolute occasion for the fleet's bringing up on the two evenings mentioned, and that the delay at these points was peculiar, and incidental to the squadron conveying the Soverriew and her consort; cidental to the squadron conveying the Soverries and her consort; but a stiff head wind all the way from Cowes, would have told very detrimentally on the speed of any steam fleet, and would have kept it so many hours east of the Lizard, as, by a departure from a port lower down, would have suffleed to carry it clear of the gorge of the Channel, and have given it a good offing into the open sea. What is true in this case, as to a Royal fleet, is true, a fortiori, of all other fleets and vessels. If vessels as well, if not better, built, provided, manned, and officered, than any floating this day throughout the circle of the European Seas, are so impeded by the baffling and cross winds of the Channel, how much more are the merchant ships, and packet steamers, carrying the Atlantic and Mediterranean mails, likely to be detained in the narrow sea that washes our southern sea-board. Of course, in these few observations, landsmen though we are, it is not our intention to beat the air, or to draw s bow at a venture; but rather to record in this place the best nautical opinions on the subject—namely, that it is both inexpedient and injurious to continue to make so easterly a port as Southampton the rendezvous of mails which are to traverse the western ocean, and also that the foreign mail port of the kingdom should be as contiguous as possible to that sea, over which the mails are destined to pass; and to this end, by the concurrent judgment of competent persons, that port should be somewhere on the southern coast of Cornwall.

RAILWAY BOARD.

The "Board of Railway Commissioners" has disappointed general tion. Composed of individuals, however otherwise qualified for busing statements of the composed of the composed of the composed of the commissioners. practically unacquainted with the subjects to which its operations were to be directed—it has afforded neither satisfaction nor relief to the House, the railway interest, or the public. Originated to curtail the labours of Parliamentary committees, it has proved itself an entire failure; unnecessarily interfering with committees, it has proved itself an entire failure; annecessarily interfering with some of the uninters of railway management, it has attempted to become inquisitorial. Professing to economise the cost of Parliamentary proceedings—it has increased them. Emanating bills with impracticable provisions—it has abandoned them. Forgetting the chief objects for which it was constituted, or unequal to grapple with them—its attention has been mainly devoted to a scrutiny into the financial position of existing companies. Comprising gentlemen of the highest character and abilities—it has been wanding in the required knowledge to rightly direct its operations. Constituted nearly 12 months ago—it has proved an abortion, and yielded disappointment to the House, the railway interest, and the public.

The expectations created in the latter were, that this commission would primarily emanate measures, and obtain the enactment of powers, applicable to future railway legislation, directing its first attention to the following purposes—via:

realway engineering in the action of the property of any new schemes possessing no sufficient local or national claims upon legislative enactment. To institute a process whose tendency would be to relieve the disposable capital of the country from demands which might accumulate with greater rapidity than it could sustain, by retarding the progress of such schemes,

capital of the country from demands which ingot accumulate with greater rapidity than it could sustain, by retarding the progress of such schemes, however desirable in themselves.

To provide for a careful and official investigation of the internal merits and public claims of every newly-proposed line, antecedently to its appeal (as an authorised project) for public support.

To materially diminish or altogether prevent a large amount of the expenditure now incurred as a preliminary to the Parliamentary proceedings.

To reconcile or dispose of competing lines and opposition from landed proprietors or others, so as to obviate the costly antagonism of which the committee-room has been so often the arena.

To relieve the Members of the Senate from much of the onerous duty which has accumulated upon them by railway legislation.

To deprive the Parliament of no part of its control over those plans which the board deemed worthy to reach the doors of its committees, but to present them there unincumbered by misdirected opposition, liberated from profligate expenditure, and approved by the Board of Commissioners.

To tactily condemn in public opinion, schemes found by the board's investigation to be impracticable or useless, by withholding its sanction, rather than by exercising a power of positive negation; and, to employ the force of a strong official recommendation (in cases of computing lines and opposition from landed proprietors or others), rather than that of unappeal-able decision.

position from landed proprietors or others), rather than that of unappealable decision.

How far these expectations have been realised by the board since its construction, let the fallacious schemes which have been presented, and to which
public support has been invited—the disappointed schemers, and their deluded
followers—the bills which have become acts, and the bills which have not—the
capital sanctioned by Parliament, and the periods in which it may be legally
called for—the costs of failure, and the costs of success—the contests engaged
in, and the aimost equal disablement of victors and vanquished—the labours
of the committees, and the "No Houses" of the session—and the conflicting
evidence of witnesses, arising from local interests or party purpose—decide.

How far their accomplishment has been extempted will be apparent, in the
provisions of the two defunct bills, and in the fact that the public still remain
exposed to nearly all this train of evils, in the near prospect of another session.

It is true than an effort new made to tithe the Mint, and the Anies, and the
Cummin—but the weightier matters which ought to have been done, were left
andone. It would have been time enough to meddle with those, when confidence had been ensured, and public exigents supplied, by a wise and practical
disposal of these.

The recent accession to the Legislature of Members thoroughly versed in these

fidence had been ensured, and public exigents supplied, by a wise and practical disposal of these.

The recent accession to the Legislature of Members thoroughly versed in these matters, will prove an important acquisition in railway enactments, and farnish a guarantee for their efficient operation. It may, therefore, appear presumptuous in one who is no railway sharebolder (although he has been an attentive observer), to propound a plan as an antitlote to the deficiency. Suggested more than 12 months ago, and beforethe Railway Board possessed an existence, neither subsequent experience nor commissioners' measures have tended to materially vary its features, or render its provisions nugatory. Intended to be a mere sketch, it was restricted to the objects first named in this article, without embracing or interfering with the legislation requisite to ensure a due control over existing, or future railways, so as to compass their efficient working, and the public interests. The nature and extent of this legislation would be suggested to the beard by experience, and practical officers, assisted by railway directors and managers.

SKETCH.

The United Kingdom to be divided by the board into four districts.

The north division to comprehend Scotland, and that part of England situate morth of Liverpool, and east of the "Grand Junction Railway;" to be bounded on the eastern side by the "Birmingham and Derby, North Midland, York and North Midland, and Great North of England Railway;" to Newcastle.

The east division to comprise that part of England situate on the eastern sides of the "London and Birghton, London and Birmingham, Birmingham and Derby, North Midland, York and North Midland, and Great North of England situate on the eastern sides of the "London and Birghton, and London and Birmingham Railways," to Newcastle.

The south division to consist of that part of England situate on the western sides by the "Bristol and Gloucester, and the Gloucester and Birmingham Railways."

The west division to include Ireland, Wales, and that part of England situate on the western sides of the "Bristol and Gloucester, Gloucester and Birmingham, and the Grand Junction Railway," to Liverpool.

One or more officers to be appointed for each district, competent to investigate and report to the board the existing modes and costs of transis for passengers and goods, by public roads, canals, or sailing vessels—to furnish estimates of the probable number of passengers or quantity of goods to be conveyed upon every projected railway—and to advise the commissioners as to the amount of public benefit to accrue from its construction.

One or more consulting engineers to be selected by the board for each district, whose services may be commended to assist upon questions of difference arising between the engineers of promoting or opposing schemes, or objecting landed proprietors and others.

One or more consulting engineers to be selected by the board for the board, from personal inspection, the extent and value of lands and buildings, to be similarly appointed, whose business if may be to report to the board, from personal inspection, the extent and value of injury or otherw

tract, whose services may be commanded to assist upon questions of difference arising between the engineers of promoting or opposing schemes, or objecting landed proprietors and others.

One or more surveyors, conversant with the value of lands and buildings, to be similarly appointed, whose business it may be to report to the board, from personal inspection, the extent and value of injury or otherwise, which would be effected by any proposed railway to the residental, or other property of opponents, or to auggest the best mode of obviating or diminishing the injury.

A full description of every newly-projected railway to be transmitted by its promoters to the Railway Commissioners, by, or before the (1st Feb.), in the year preceding that in which it is intended to apply to Parliament, for an Act—such description to set forth the public advantages to be attained, the probable remuneration to the proprietary, the maximum capital required for its construction, the towns and districts to be accommodated, the names and addresses of its promoters, and be accompanied by an Ordanance map on which the course of the intended roat is laid down.

The appointed officers of the board to personally inspect every such projected railway, and report upon it to the commissioners, by or before the (1st June) following, and the board to express its assent to, or dissent from, the scheme being further proceeded in, by or before the (1st June) following, such assent or dissent to be made known to the promoters and the public, by announcement in the Gazette; after which, the promoters to be at liberty to appeal to the public for the capital required, and to proceed with their surveys.

The promoters of every projected railway, intended to be proceeded with by application for an Act in the ensuing session, to deposit in the Private Bill Office, and with the Railway Board, by or before the (1st June) following, a list of subscribers, with their residences and amount of capital subscribed; the ongineers' estimate of the cast of construc

issioners, by or before the (fat Jun.) follo-ing therewith every ground of objection. In the absence of any such notices, the pre-ed before the House and its committees a

eed before the House and its committees as an "unopposed bill," canctioned by the Commissioners.

In all cases wherein notices of dissent shall be given, their grounds to be locally and fully investigated by the officer of the board, within whose district or department they may arise—on whose report the board shall make known its decision to the promoters and dissentients, by or before the (ist Feb.) following. In event of such decision being acquisesed in by the promoters and objectors, by or before the (1st March) following, the prometers to be allowed to proceed as if no notice of dissent had been given; but should the decision of the board be rejected by either party, it skall be laid in evidence before the respective committees on the bill, previously to their investigation of the dissentients' objections.

committees on the bill, previously to their investigation or his dissertance objections. The several officers of the board to be called upon to give evidence in support of the commissioners' decisions, when so required by the commistees on the bill. The commissioners in all-cases to fix the period to be allowed by Act of Parliament for the construction and completion of every projected railway.

The expenses incurred by the board in investigations and inquiries made by themselves or their officers, to be defrayed by the promoters of every railway, who shall deposit (50L) per mile with the commissioners at the time of first bringing any new scheme under their notice. The balance of such deposit to be accounted for, and paid over to the promoters by the board, on its rejection of any such scheme; or, on the close of Parliamentary proceedings thereon, as the case may be.

L THE CRICKET STEAM-BOAT EXPLOSION.

On Tuesday afternoon, the jury proceeded to view the shattered remains

On Tuesday afternoon, the jury proceeded to view the shattered remains of the vessel; the scene that presented itself was of the most fearful asture, the whole of the after portion of the vessel being completely destroyed; the massive spring beam which crosses the vessel in a line with the after part of the paddle-boxes being shattered into thousands of pieces; the whole of the flooring of the deck has been blown up, and the linings of the cabin completely renoved, only leaving a portion of the iron shell of the vessel; the bolier casing, or shell, which is cylindrical, and about 5 ft. in diameter, and 6 ft. long, with the after end of a hemispherical form, has been rent entirely from the front portion, and forced out through the after part of the vessel—whilst the tubes, and the whole of the interior of the bolier, have been by the recoil driven against the wrought-fron framing of the engine—the front part of the entablature of which has been destroyed, the columns bent, and the piston-rod of the high-pressure cylinder on the starboard side nearly broken. No injury has been done to the tubes, which, with the exception of one or two on the larboard side, retain their original position; and the steam-chest, which was of a cylindrical form, with a hemispherical top, fitted with two steelyard safety-valves, has not yet been found; the vessel was fitted, however, with two boliers, precisely similar in form—so that no difficulty can arise from the absence of any portion of the exploded boiler, its counterpart still remaining. The tubes, which are 66 in number, of 2½ in. internal diameter, and about 4 ft. 9 in. long, present evidence that the boiler has not, as has been surrinsed, been short of water—the shell of the boiler, and the flange to which the interior was rivetted, is 3th thick.

There are many grave points that will have to be decided by the jury; we are not amongst the number of eavillers who condenns the use of high-pressure steam; but where that agent is employed, there should be extreme care, and none

which we shall chronicle at length in our next week's Journal.

In addition to the foregoing particulars, we append the statemen Mr. Elijah Galloway, the civil engineer, who witnessed the explosi and, having made a careful examination of the wreck, gives the subjoint account of the boiler and machinery:—

The Griek's was fitted with two boilers, placed survast of each other—the start one of which is exploded. The boilers were what is termed "inbular"—the fire to congined in a large tube, about 3 ft. in diameter, within the boiler, and, therefore, rounded by water. In this description of boiler, the fame, or heated sir, from the interior, rounded by mater. In this description of boiler, the fame, or heated sir, from the interior, rounded by water there were 65 of these tubes in the boil in thanseter, also surrounded by water—there were 65 of these tubes in the boil question—which lating sive it the same of a "tubular boiler." The chief odvanta his kind of holier is, that a larger heating surface is obtained in a smaller special his kind of holier is, that a larger heating surface is obtained in a smaller special his kind of holier is, that a larger heating surface is obtained in a smaller special with the large and smaller fire tubes are fixed, from what is termed the "she of the boiler. From the appearance of the rounds and the resains of the boiler, it as evident that the shell flow away from the from plate and tubes in one piece, being jected with a rocket-like force through the bulkhead of the vessel, and along the a cabin, to the atern-poor, which is broke through, and then sell into the water at eoms tance. Its progress is clearly shown to have been an a direction nearly sft, or a cabin, to the atern-poor, which is clearly shown to have been an a direction nearly sft, or a whole of the after-deel; and, finally, opened a passage for itself through the contract spece, or "run" of the vessel, suthing away flow corresponding timbers, as well as whole of the after-deel; and, finally, opened a passage for itself

point of fact, laying the two sides of the vessel, which, in the vergans leaves fast.

Having thus shown the direction taken by the "shell" of the boiler, it may that the front plate and tubes were projected in an opposite direction against work and machinery of the vessel. This fact is demonstrated beyond doubt, pearance on the surface of the wort plate of considerable indentations, cor with similar marks on the framework and several parts of the machinery. Inferruption thus afforded to the progress of the front plate and tubes, the father vessel would have been destroyed, and the passengers on the fore-deck ably have shared a similar fate to those on the after-deck. The funnel "casing," both of which are formed of weak fron, appear to have been project by the force of escaped steems, which they were totally inadequate to resist progress they carried away the bridge connecting the two paddle-boses, and water alongside the wreck. One most important portion of the boiler is, and missing up to the present time—this is the "done," or steam-reservoir, which makes the progress of the property of the present time—this is the "done," or steam-reservoir, which are attached the safety-valves. It is progress they carried away the bridge connecting the two paddle-boses, and fell into water alongside the wreck. One most important portion of the boiler is, unfortunat missing up to the present time—this is the "dome," or steam-resservir, which is plas over the shell of the boiler, and to which are attached the astety-valves. It is support that this portion of the boiler must have been blown off at the same instant when tront plate separated from the shell, and that it has fallen into the river at some distartors the wreck. It is, of course, most desirable that so important a portion of the boshould not be lost, and every possible means will be taken to recover it. The small tubes are comparatively uniquired, only two of their number being slightly bent, which may be probably, arose by their separation from the front plate. The upper range tubes are covered with the usual incrustation or deposit from the water, and their sent condition indicate the start of the start of their sent condition indicate the start of the

tubes are covered with a second and the accident did not arise from any lack of a proper supply of water in the boiler.

The Great Britain.—This splendid, but somewhat unfortunate, steamship is now on the gridiron of Prince's Dock, where she is being thoroughly inspected, not only as regards the damage which has been done to her exterior plating, but also as regards the strength and durability of her hull and framework; and it gives us pleasure to be enabled to state, upon the authority of a most experienced engueer, that so far overything has appeared most encouraging for the owners. She is quite safe and sound in her hull and frames, not being shaken, strained, nor indicating in the slightest degree anything that would lead to the supposition that her back had been injured whilst imbedded in the sands of Dundrum Bay. Indeed, it is our opinion, and that of many others, who witnessed the position which the nable ressel occupied in Dundrum, that even her sheeting would have been but little injured, had if not been for the "penny wise and pound foolish" system adopted at first, while the vessel was under the command of Captain Hosken. We altude to the injudicious manner in which the coals were thrown under the ship's sides, to be sold to the country people in half-tons and hundred-weights. On more than one occasion the vessel shifted, and, rolling ever on them, her plating was injured in many places. It must be gratifying to the Mesra. Bremmer—father and some to behold their gallaut charge safely docked in Liverpool, and it reflect that, in discharging their duty to her owners, her have conferred a leating benefit on the principle of steam navigation. Liverpool Tings.

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PROGRESS OF FRENCH MINING INDUSTRY.

Dullness, or rather complete stagnation, continues to reign over mining affairs in this quarter of the globe. There is nothing whatever stirring; and it is really scarcely worth while putting you to the expense of postage for this letter. In fact, this is what the French call their morte saison in and it is really scarcely worth while putting you to the expesses of postage for this letter. In fact, this is what the French call their morte saison in business as well as in pleasure; and it will continue for some weeks longer. Meanwhile, however, speculators are not idler: they are busy preparing schemes of all kinds, to be launched at the very commencement of the annual commercial campaign. Among these schemes, as I have before told you, are many connected with mining; indeed, to repeat what I have more than once said, everything seems to predict that the next season will be the busiest and most important in the mining world which has ever been witnessed in this country. Speculation, having wearied itself with railways, seems now well disposed to take mining matters in hand, on a very grand scale; and many knowing people calculate, that it is not improbable that we shall see the same wild doings in connection with mines, and iron and copper works, that we saw, in 1845, with respect to railways. That Franco-possesses a good field for prudent, well-directed, mining speculation, cannot be doubted. She is not to be compared to England for mineral wealth, but it is certain that not one-half of what she does possess has yet been turned to account. It is, therefore, certain that many of the schemes which will shortly be brought before the public will present every chance of success that the most prudent could desire. But, on the other hand, they will be so mixed up with mere fraudulent projects, that the greatest care must be manifested by capitalists in making a selection of them.

The squabbles between the Municipal Council and newspapers of St. Edienne and the Great Coal Company of the Loire, have not unnaturally resulted in the adoption of legal proceedings. The Company has cited the newspapers, and aix members of the Municipal Council, before the-subunals, for defamation. This bold step so to go to the scrape. On the other hand, the company has had an action brought against it, by one of its miners, on the g business as well as in pleasure; and it will continue for some weeks longer. Meanwhile, however, speculators are not idle: they are busy preparing

BELGIUM.—The great iron-works of Seraing, which were founded by your countryman Cockerill, employ day and night upwards of 4200 persons; they extend over a space of 57 hectares, and the buildings extend over 46,000 metres. In this vast concern iron enters as iron, and leaves it manufactured into steam-engine! It can supply annually 12,000,000 or 13,000,000 kilogrammes of iron, and possesses immense coal-pits. It contains 27 steam-engines, of 1050-horse power, 6 hauts-fourneaux, and establishments of all kinds for treating or manufacturing iron, and turning metals to their multifarious uses. It may be truly said of this vast concern, that it is one of the most remarkable establishments in the world.

A demand has been presented to the Government, for the concession of mines of sulphur, sinc, &c., at Amay and Ampoin, in the province of Liege. There is nothing particular stirring with reference to mines, or iron works—nothing that is of a nature to interest your readers; but almost all our works are busily employed, and almost every branch of our metal-largic industry continues to be in an exceedingly prosperous state. over 46,000 metres. In this vast concern iron enters as iron, and leaves

MANUFACTURE OF IRON IN ALGERIA.—The first furnace, of the Company of Mines and Furnaces of Bona, has been finished, and is now in full blast. Several others are in course of construction in other districts; but a great drawback is found to be in the deficiency of coal—wood and charcoal being the chief substances used for smelting, and those are at a high price at present, in consequence of the want of proper means of conveyance, and roads to the forests.

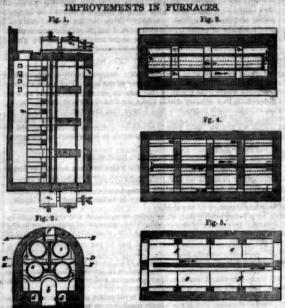
M. Gauthier, a French engineer, who manages the iron-works of Terni, in the Papal states, has just discovered, after long researches, an iron mine of great richness, extending from Monto Nero to the town of Gualdo Tadini. The ore is said to yield 60 per cent. of pure iron, of excellent quality. There are numerous water-courses in the vicinity, which will serve to work the machines necessary for treating the ore. This new mine, and that of Tolfa, will, it is said, supply all the iron which the Roman States can require, including what will be necessary for the projected iron bridges and railways.

RAILWAY CALLS.—The calls falling payable in the month of September, amount to the sum of 3,881,439/.

M.M. Fournel and Fisher, engineers of the Northern Railway, have been summoned to appear before the Correctional Police, for having, contrary to the law, allowed three new locomotives to be run on the line without having been previously examined and tested; and for having permitted two others to be used without being furnished with steam-gauge. These gentlemen did not appear, but an avone representing them declared that a mistake had occurred respecting the day when they were ordered to attend. The court paying no attention to this representation, condemned each of the persons to 1000 fr. fine, for each of these two centraventions, and ordered the Northern Railway Company to be conjointly responsible for the fines.

CURROUS COLECTERNCE—BRITANNIA-BRIDGE AND THE "GREAT BRITAIN."

A correspondent of ours, in conversation, happened to mention he had sugcated a plan to Mr. Bobert Stephenson for placing the Britannia-bridge from
ier to pier by floating the one end of it over to the centre pier, supported upon
wooden tower, built usen the hull of a large iron vesso—at the time, there
appened to be in our silles, another scientific gentleman, who, after bearing
be plan explained, observed, it might be necessary for Mr Stephenson to defer
lacing his bridge until the Great Britain was got off to float it over. On the
sme day, to the best of our remembrance, that neble vessel was rescued from
er perilous situation.



n of patent granted to George Grundy, of Manchester, in the county of La r, for certain improvements in Furnaces, and in the Flues and Tiles us tion thereof.]—Reston's London Journal.

This invention consists in a novel arrangement of the flues and other parts of a furnace, whereby the heat is more effectually applied; and also in certain ment of the flues and other parts of a furnace, whereby the heat is more effectually applied; and also in certain tiles to be used in the construction of the furnace. In the engraving, a furnace, constructed according to this invention, is shown, containing four fire-clay or tile cylinders or retorts, for generating coal-gas. Fig. 1 is a longitudinal vertical section of the furnace; fig. 2 is a transverse vertical section thereof; fig. 3 is a horizontal section, taken on the line of A B of fig. 1; fig. 4 is a similar section, on the line E F. a is the brickwork of the furnace. b is the fire-place or chamber, wherein the fuel (which in this case is coal-tar, but other fuel may be used) is introduced; it extends the whole length of the furnace, and is supplied with air through the openings c, from two parallel flues d, which extend from one end of the furnace to the other, and are furnished with doors at each end to regulate the supply of air. The oven, in which the tile or fire-clay cylinders or retorts e are fixed, is of the ordinary shape; and the course of the flame and heated gases, generated below, is indicated by the arrows in the horizontal sections, figs. 5, 4, 5, which are taken at different levels, in order to show the continuous traverse of the heated gases formed to end, or from end to centre of the retorts e, until they escape through the opening f, in the crown of the oven. The cylinders or retorts are made of tile or fire-clay, and may be strengthened, if considered requisite, by imbedding metal hoops in the clay. Each cylinder is open at both ends, and consists of several pieces, which are jointed together, as seen at g, fig. 5; the joints being made good with fire-clay, and supported by the fire-clay tiles h. The number of joints in each retort will depend upon its length; but this may greatly exceed the length of ordinary retorts, on account of the facility of working at both ends, which the patentee considers an important feature of his invention. The retorts have caps i, fitted on each end, furnished with extippes j, for the tiles to be used in the construction of the furnace. In the engraving, a furnace,

peatedly; together with the peculiar form and construction of tile or fire-clay tubes, and the tiles for forming the joints, as above described.

PURIFICATION OF MERCURY.—Mercury may be perfectly purified by agitating it for a considerable time with weak nitric acid. With 2 lbs. of the metal, about 1 is ov. of the acid, diluted with twice its volume of water, may be employed. The mercury, freed from the nitrate thus formed, is to be boiled with pure nitric acid sufficient to dissolve 9-10 ths of the metal; the resulting nitrate of mercury is to be reduced to red exide by heat, and this is to be calcined in a porcelain retort to reduce it. By the action of the first portion of nitric acid, the more oxidable metals are acted upon; the second portion of acid leaves the metals less exidable than mercury in the undissolved portion. As the mercury, reduced by this process, dissolves a notable quantity of oxide, this last is to be separated by agitation with sulphuric acid; it is afterwards to be washed with a very large quantity of water, and dried in the receiver of the air-pump over sulphuric acid. Mercury, thus purified, was employed by M. Regnault in his third determination of its density. M. Millon states, that when a saline solution, such aschloride of calcium, hydrochlorate of ammonn, nitrate of potash, &c., is added to mercury in a bottle, the mercury is always divided into rounded globules, which remain separated from each other for a long time; but what is very striking is, that the size of the globules, which varies enormously, is always connected with the nature of the aqueous solution. Some solutions immediately cause extreme division in the mercury; others, on the contrary, produce only very large globules, to whatever extent the agitation may have been carried; and the aame effect is always produced with the same solution. It is to this influence of saline solutions that is due the difficulty often witnessed in collecting mercury when it has been reduced in the moist way.—M. MILLON: Ann. &c. Chim. et d

of supply, will be of interest.

RATING OF COAL MINIS.—At Bilston Petty Sessions, on Tuesday, among numerous other summonses for non-payment of poor rates, Messrs. W. H. and W. M. Sparrow appeared by Mr. Manby, solicitor, Wolverhampton, to show cause for non-payment of 561. 13s. 5d. assessed upon certain coal mines. Mr. Manby contended, on behalf of the defendants, that the rate had been imposed before the sinking of the pits was completed, and the working of the mines become profitable; that they were not by law rateable until the heading was done, as well as the sinking; and it was observed that, in the neighbourhood of Worfverhampton, the overseers are governed by the information given by the owners when the pits are ready for working—whereas, at Bilston, the overseers, it seems, act on their own view of the state of preparation, and the result of their inquiries, instead of relying on the information of owners. The case was adjourned for a fortnight.—Wolverhampton Chronick.

LAUNCH OF AN IRON STEAMER AT HAYLE.—On Friday last, the large

journed for a fortnight.—Wolcerhampton Chronicle.

**LAUNCH OF AN IRON STRAMER AT HAYLE.—On Friday last, the large iron steam-boat was launched from the yard of Mesers. Harvey and Co. She is intended for conveying general merchandise on the Rhine, and is 190 ft. long at the water line, and 200 on deck: her breadth of beam is 23 ft.; and extreme breadth, outside the paddle boxes, 46 ft.; depth of hold, 11 ft. She is being fitted with engines of 200-horse power, on the expansive principle, having two bollers, one at either end of the engine-room. Her draft of water at present is 2 ft. 9 in.; and when equipped for sea, with 150 tons of coals on board, will not draw more than 4 ft. of water. She is intended, principally, for towing, and will easily manage 1000 tons. The superior workmanship in every department of this vessel, is very apparent, and reflects high credit on all concerned.—Penzance Journal.

AMENDMENT OF THE PATENT LAWS-No. III.

It is a statement frequently made, "that a profitable patent is sure to be infringed;" and notwithstanding the recent attempts of some would-be pa-tent jurists, to prove the fallacy of the observation, it is still, unfortunately infringed;" and notwithstanding the recent attempts of some would-be patent jurists, to prove the fallacy of the observation, it is still, unfortunately not entirely without foundation in fact, although the exact scope and meaning of the remark are soldom, if ever, correctly stated. By most persons the existence of such an evil as the frequent recurrence of patent litigation, while it is exaggerated as to amount and duration, is erroneously regarded as the natural and inevitable result of the "defective patent haves"—it being unknown to them, or totally loss sight of, that the evil is as much (nay, more) the result of the doings of patentees themselves: it being incontestable that the failure at law of so many patents, in consequence of defects, both legal and technical, in their specifications—documents prepared under the direction and instructions of the patentees themselves—has not only afforded encouragement to pirates and infringers to pursue their melarious practices, but has induced such a laxity in the commercial notions regarding patent rights, that it is no uncommon thing to find men of high standing in the commercial wirld, not merely viewing the violation of them as no breach of duty or citizenship, but looking upon the successful issue of such practices with such feelings as Le Sage's Don Ignacio de Ipigna entertained, regarding the pillage of authors; and, instead of being abanbed at detection, are ready to exclaim with him, "Furto letamus" in igno"—the theft is glorious to them. Indeed, were it proper to present names before the pablic, it would not be difficult to prove cases in which the rights of patentees have been stoutly resisted until the specifications were found to be bond fide and valid, when the futility of litigation has been acknowledged, and the authority of the letters patent succumbed to—thus showing that the specification was considered the main point of attack. In my own experience, I remember the case of a gentleman, whose name has several times graced the patent list, bringing not entirely without foundation in fact, although the exact scope and meana practical engineer and caemist, combined with that of a legal practi-tioner; and it would certainly go far to diminish the number of invalid specifications and patents, if the profession of patent agent were subject to some such regulations as exist, with regard to the admission of attorneys and solicitors; though it must be allowed this would not prove a com-plete panacea, as another equally fruitful source of the evil has been the preparation of these documents by patentees themselves, without profes-sional guidance.

some such regulations as exist, with regard to the admission of attorneys and solicitors; though it must be allowed this would not prove a complete paracea, as another equally fruiting source of the evil has been the prevailation of these documents by patentees themselves, without professionation, and its injurious effects upon patent rights, it is not the only thing affecting them. It is assentially necessary to the validity of a patent, that the invention be entirely novel—that the patentee be the original inventor of the subject matter thereof—and that it shall have never before been subject to publication, sale, or use.—(Vide Terms of Letters Patent, and the Statute of Monopolics). These requirements have been so strictly enforced at law, that it is held that the exposure for sale, or sale, of one subsequently patented article, even by the patentee his web them so strictly enforced at law, that it is held that the exposure for sale, or sale, of one subsequently patented article, even by the patentee, but can be proved not to have originated with the patentee, by the evidence of some musty old tome, dragged forth from its kindred dust, wherein a similar thing, although not identical, is sat forth and described, in that case the patenting that is not identical, is sat forth and described, in that case the patenting that the proceedings of foreigners. An invention may, at the moment of granting the British letters patent, be notoriously in every-day use in France; and yet such letters patent, be notoriously in every-day use in France; and yet such letters patent, he notoriously in every-day use in France; and yet such letters patent, be notoriously in every-day use in France; and yet such letters patent, be notoriously in every-day use in France; and yet such letters patent, be notoriously in every-day use in France; and yet such letters patent, be notoriously in every-day use in France; and yet such letters patent, be notoriously in the policy fair in the patent for the most original inventor; as a "comparati

Original Correspondence.

IMPROVEMENTS IN SMELTING.

Sir. The reasons alleged by the copper smelters for their indifference towards the abatement of the nuisance resulting from the imperfect me thod at present employed in their works, and for the non-adoption of a superior plan of calcination, are—that no nuisance exists; that if the copper smoke admits of being so styled, the inhabitants have no just ground of complaint—it having been in existence prior to the period at which they located themselves within its limits; and, on the supposition of it being injurious, they have endeavoured to remedy it by lengthening the flues—the vapours now being dissipated at an altitude, that prevents them exercising any hursful influence; and, finally, that the collection of the sulphur would, by its abundance, so greatly depreciate the value of that article, as to render it comparatively worthless. To assure ourselves of the existence of a nuisance, we have only to inquire into the nature and composition of the substances evolved from the furnaces. They consist of sulphurous, sulphuric, and arsenious acids, fluoric vapours, and small quantities of metallic compounds, which latter are carried upward by the draught. The whole of these in their concentrated state are totally irrespirable, and highly destructive to animal life; and even in a more divided form, when considerably diluted by admixture with the atmosphere, exert a marked injurious effect over the health and development of those who are unfortunately placed within their influence; and, from the magnitude of the operations at Swansea, we may learn to what an enormous extent this evil exists. We are hardly prepared to believe that a reply, fraught with so much injustice—such utter disregard for the health of their neighbours, as "that they had no just grounds of complaint, the nuisance having been in existence previous to the time when they settled within its limits or injustice, whose might platours gave bird such an absence of philanthropy to the large amount of local disease and suffering which was caused by their adherence to a process that was attended with such bare full consequences. But the complaints of the inhabitants were too strongly supported by thod at present employed in their works, and for the non-adoption of a superior plan of calcination, are—that no nuisance exists; that if the cop

tion rests. The introduction of heated air in the smelting of iron abridged the labour, and leasened the quantity of fuel, necessary to produce a ton of pig-iron, which produced a corresponding decrease in its value; this diminution did not, however, destroy the manufacture, or render its continuance unprofitable—it increased the consumption, and placed the manufacture on a surer and more profitable foundation. Again, the improvements which, from time to time, have taken place in the manufacture of sulphuric acid, have greatly augmented its productiveness, and thus, also, caused a reduction in the price; but the consumption has risen in proportion. The greater absence of waste, decreased labour, and capital employed in its production, substitution of materials, &c., which the improvements brought with them, have effected this change in its value. The numerous applications of which sulphuric acid is susceptible in the arts and manufactures render it an object of the highest importance that its price should be brought to the lowest possible minimum; and, indeed, the large share of attention which has been paid to the perfecting of this extremely beautiful process has left little to be desired but, in the production of raw sulphur, a better and cheaper method of obtaining it from our own mines—much remains to be done towards the attainment of so desirable an object. Copper and iron pyrites—which exist so abundantly tion of raw sulphur, a better and cheaper method of obtaining it from our own mines—much remains to be done towards the attainment of so desirable an object. Copper and iron pyrites—which exist so abundantly in this country—offer an inexhaustible source from whence a supply of sulphur may be obtained; and, though the latter mineral is employed in the production of sulphuric acid, the expense of carriage forms such a serious drawback to its general adoption, that it still remains for the manufacturer, and those interested in mines of this mineral, to adopt some means to separate the sulphur at the mine, and avoid this heavy expense. This end may be accomplished, as I stated in a former letter, by the employment of Rogers's patent for separating sulphur from mineral substances—which, from the simplicity of the process, and perfect separation of sulphur from the ore, offers peculiar advantages; while to the copper-smelter, who has to deal with a mineral highly charged with sulphur—which it is necessary to separate before he can pursue his ulterior operations in the smelting furnace—the readiness with which it can be applied to the present a degree of interest and advantage that is well worthy his consideration.—John Howson: Cornhill, Aug. 31.

RAMBLES THROUGH SOUTH WALES.

In my travels through North Wales, I was struck with the beau ties of Flintshire, and the activity which must have existed some time ago in manufactories and mining; the former having now fallen into decay, and the latter merely existing, for the want of capital and spirit to develope the remaining riches which it is certain to contain. In looking further into this country, I found a lead mining district, extending from Rhyl to Minera, in a north and south direction, say from 30 to 40 miles in length; through most of which extremely rich mines had been found, and worked—but, at this time, very many of them in a state of ruin. In one instance, I found a mountainous piece of land, showing still the capabilities of the country, in which a great discovery of lead ore has taken place—for instance, the Jamaica Mine, on the channel of limestone, in the grit, through that district, called the Mold Mountain. This mine, I am informed, was opened, some years ago, by a rich mining company; and, after spending a large sum in sinking shafts, &c., they abandoned the workings as being worthless. The mine was afterwards undertaken by a private company—who were respectable, but not rich—in connection with a few of the former or old adventurers; and, after the expenditure of a small sum (less than 2004), the discovery alluded to was made, and has been, for some considerable time past, yielding a return of 100 tons per month, worth 11L per ton, with about 10 men at work on ore, and a fair prospect of opening ground of similar worth by extending and deepening the mine. After this, and several other discoveries made by small companies, after trials by rich and influential ones, should any one be dispirited from mining, even with limited means, provided the spot for trial be selected by scientific men? That the former company's views in the selection were in manufactories and mining; the former having now fallen into decay. ing, even with limited means, provided the spot for trial be selected by scientific men? That the former company's views in the selection were good, must be admitted; but, for want of confidence in their selection, were abandoned; and the work done by them, in furtherance of their intended object, pointing out to others what might be done, has been the source of great wealth to the present company. Mining, the most uncertain of all callings, is still a good one, if properly pursued. In justice to the adventurers and miners of Flintshire, I should say that high royalties are much complained of, and are said to be, in a great measure, the cause of the mines so falling off, from the want of capital and spirit.

A TRAVELLER.

Ruthia, Sept. 1. scientific men? That the form good, must be admitted; but, for abandoned. so falling off, from Ruthin, Sept. 1.

EXPLOSIONS OF STEAM - BOILERS. +

-In most, if not all, of the accidents which have occurred in boilers in this country, it has been proved, or assumed with strong grounds of proin this country, it has been proved, or assumed with strong grounds of pro-bability, that it has occurred from the suddenly covering with water parts which had been previously heated to a high degree of temperature, by heing left exposed; in which case the most eminent engineers have given their opinion, that the safety valves do not afford a sufficient exit for the escape of the steam or gas (for authorities have been divided as to the na-ture of the fluid so formed) thus suddenly generated. Without presuming to give a decided opinion upon so serious a question as that involved in the melancholy case of the *Cricket* explosion, I apprehend that it will be found, that the water had got too low in the boilers; and that, by suddenly pumping up, the heated tubes came in contact with the new supply of water, and thus the sudden generation of steam had created that explosive tendency, or property, to which most, if not all, of these catastrophes have been attributed. It is much to be regretted, that among the great questions which have been mooted in the scientific world, we have not by this time arrived at some more certain knowledge with regard to the nature of these explosions, which appear, from the facts I have already stated, to be in some cases an inevitable, though happily a rare, occurrence in the use of this great prime mover of the age. That upon the investigations which have preceded this catastrophe so much should be left to conjecture, in a country which ranks the first for experiment and analysis, is to be much regretted; and I hope that this accident may not be without its use in directing the energies of the eminent men of that science, of which we are so justly proud, to reducing that to a certainty, which heretofore appears to have been left too much to conjecture.—A READER.

London, Sept. 2.

WEST CORNWALL RAILWAY.

WEST CORNWALL RAILWAY.

SIR,—Now that the Hon. Member for Falmouth has become so large Sir,—Now that the Hon. Member for Falmouth has become so large a shareholder in the West Cornwall Railway, and is destined to assume the responsible duties of the chair in the board-room, I trust our affairs will be put on a better footing than they have lately stood. The apathy of our late directory to the welfare of the company is wholly unaccountable, as a better paying line, when properly executed, will not be found in England. In support of this opinion, I beg to draw your attention to the facts proved before the Railway Committee, of which Sir Charles Douglas was the chairman:—"The line would pay 10 per cent. profit, allowing 40 per cent. for working expenses. The quantity of copper ore, the profit of the county, sold, from June 30, 1843, to the same date, 1844, was 152,667 tons—of which one-half was sold at Redruth. There was, also, a very large amount of traffic in flour, groceries, and provisions of all kinds, along the whole tract of country to be traversed by the line. The population of Penzance is 9000, and that town is the centre of a Union, containing 50,000 inhabitants, and is the largest market-town west of Bath. About 14,000 or 15,000 tons of timber, from Canada and Sweden, are annually landed at Penzance, and thence distributed to the mining districts. The amount of tonnage that annually comes within shelter of the pier of Penzance is between 44,000 and 45,000 tons. The bay is usually crowded with vessels, whenever the wind blows long from N.N.E., which precludes shipping from making way up either Channel. The West Cornwall Railway would be most advantageous for advancing communication with ships thus wind-bound; and, when the junction shall have been completed with either the broad or narrow guage at Exeter, the goods traffic, comprising the cargoes of wind-bound ships, would be immense."—These facts, Mr. Editor, should be constantly kept in view, in order to stimulate the public in urging on the formation of a line from Exeter to Trure direct, or to a junction with the Cornwall line, west of shareholder in the West Cornwall Railway, and is destined to assu

projected last year. But, if the South Western Company are really in earnest, in their expressed intention of making a narrow guage railway to Truro, they should immediately secure all the shares in the market; and then open a negociation with the directors, for the purchase of their interest; and thus obtain the right to make the line to suit their own convenience, which would be an incalculable advantage to them.

As the prosperity of the county so materially depends on the early formation of a railway through it, I trust, Mr. Editor, you will exert your powerful pen in advocating a vigorous and determined effort to secure a bill for that purpose in the ensuing session. Too much money has, unfortunately, been already speat in ill-directed endeavours to obtain a line—which have mainly failed through the cupidity of the lawyers, and the unwise opposition of the landlords; they should, therefore, lay their plans, this time, with a greater regard to economy, and prosecute them with greater accuracy and vigour.

AMICUS.

ATMOSPHERIC RAILWAYS.

greater accuracy and vigour.

AMICUS.

ATMOSPHERIC RAILWAYS.

Sin,—It appears to me that your correspondent, Mr. J. White, is a little in error in some of his calculations on atmospheric railways: he states that the power requisite to rarefy an atmospheric tabe from 0 to 15 in., and from 15 to 22.5 in., is the same; and that, in working at 22.5 in., 25 per cent. more power is lost than by working at 15 in. Does Mr. White suppose that 30 in. should be obtained with double the amount of power that would produce 15 in.? It appears that he does; for he considers that, because as much power (as he states) is requissite to obtain the last 7.5 in. as it takes to produce the first 15 inches, one-half of this power is lost. I will endeavour to show, as briefly as I can, that these calculations, or conclusions, are erroneous; and that there is no loss of power (friction excepted) at any degree of rarefaction, provided the apparatus is perfect (Clarke and Varley's is nearly so), and the pumps act directly on the tube; and, perhaps, we shall obtain a clearer perception of the principle by supposing the tube itself to form the air-pumps, and let it be (say) 15 yards long; let a piston, worked by the prime mover, be placed at one end of this tube, and the train piston at the other; let _xth of the air be extracted at one stroke, the power requisite would be little more than ½ lb. per inch, and two inches of mercury would result; but the same amount of power will not produce 2 in. more—if it would, we should obtain a vacuum with 7.5 lbs. Again, let half the air be extracted at one stroke, the power requisite will be 4.5 lbs. per inch; the pressure in front of the piston will be uniformly 15 lbs., and behind it, it will vary from 15 lbs. at the commencement to 7.5 lbs., at the end of the stroke it will average 10.5—so that the difference of pressure in front of the piston will vary from 7.5 lbs. at he commencement to 16 lbs., when half the stroke is performed, and 15 lbs. for the remaining half, it will average 12.75 lbs.; the length of the tube, with an average force of 8 ibs. per in.—so that no loss of power is sustained by a high degree of rarefaction. I may just observe, that whether the tube is rarefied with one or 100 strokes of the engine, the power will be the same. A locomotive line of railway has an advantage over an atmospheric one, with regard to first expense; but the cost of working will be, at least, ten to one in favour of the latter, and it is also infinitely safer.—John Weston: Portland Town, Sept. 1.

IRRIGATING MACHINES IN EGYPT.—The machine used for irrigation, so frequently erected on the banks of the Nile, must excite curiosity. It is composed of a vertical whoel, round which are fastened two parallel cords, reaching a little below the surface of the stream; to these are attached, at equal distances, earthern pots, which fill successively by dipping into the water as the wheel revolves, discharging their contents, when raised to the highest point, into a trough, from which the fluid is carried by a trench into the intended locality. But, in order to set this wheel in motion, a small vertical wheel, with cogs, is fastened to the opposite end of the same axis, it being from 6 to 8 feet in length, and in a horizontal position; with it is a third and larger cogged wheel, which, being turned by oxen or cows, sets the two first in motion. At spots more remote, spacious pits are dug to receive the water, whence it is drawn up by a simple machine formed of two upright posts with a horizontal bar between them, to which is affixed a lengthy lever, having a vessel at its smaller extremity; this being filled by lowering and raising the pole, then discharges itself into a trough placed for the purpose.

Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK.

Great North of Indis Railway—London Tavern, at One.
Falmouth Water-Works Company—offices, at One.
Coombe Valley Quarry Company—Coggeshall, Essex, at One o'cloc
Belgian Eastern Junction Bailway—London Tavern, Twelve for On [The n

SWANSEA DOCK COMPANY.

The first ordinary meeting of shareholders was held at the Guildhall Coffeeouse, on Tuesday, the Sist August.

OUSE, On Tuesday, the Siar August.

CAPTAIN MORGAN (chairman of the board of directors), in the chair.

The SECRETARY (Mr. Francis) baving read the advertisement calling secting, the CHAIRMAN affixed the seal to the registry of proprietors.

The SECRETARY (Mr. Francis) read the report as follows:—

The SEGERTARY (Mr. Francis) having read the advertisement calling the meeting, the CHARHMAN affixed the seal to the registry of proprietors.

The SEGERTARY (Mr. Francis) read the report as follows:—

REFORT.

Your directors have much plassare a meeting, and in congratulating them upon the success which has attended their long continued efforts to obtain an Act of incorporation for the construction of docks, so important the continued forts to obtain an Act of incorporation for the construction of docks, so important the continued forts to obtain an Act of incorporation for the construction of docks, so important the continued forts to obtain an Act of incorporation for the construction of docks, so important the continued of th

a bye-law had been passed by the Swansea board, which was se important, that it ought to have been adverted in the report read to the meeting.)

The CHAIRMAN observed, that the subject before the meeting was the adoption of the report.

Col. CAMERON: I am giving my reasons why it should not be adopted.

Mr. JERKINS (the country solicitor) said, that the question of the bye-law did not come within the resolution before the meeting.

A PROPRIETOR thought it ought to be considered before adopting the report. The CHAIRMAN said, Mr. Jenkins would, perhaps, have the kindness to explain, as the legal adviser, what subjects ought to be denseased at this meeting by the Act?—Mr. JEREINS replied, that no other matters than those in the resolutions could be discussed at any unceting, except special notice was given by advertisement.

Col. CAMERON said, as he saw a disposition to stop inquiry, he would at once say that the report presented was not the report of the board of directors; for there were six London directors then present, and he, as deputy-chairman, would declare that they never had read that report. (Hear.)

The SECRETARY signified that, at the meeting of the whole body of directors in London, it was determined that the report for this meeting should be drawn up by Capt. Morgan in Swansea; and that it was afterwards sent, with a letter, to the London gentlemen.

Col. CAMERON: Yes; and it was ordered to be returned without comment. The SECRETARY said, they might have added to or diminished therefrom, as a fair draft was made of it for this meeting. He told Mr. Howden that he was very anxious to have this report, and yet nothing had been done with it in London. This report, at all events, was drawn up with the sanction of all the directors at Swansea.—The CHAIRMAN observed, that the report was never sent back by Mr. Howden.—Mr. Jenkins said the responsibility rested on one or all of the London board, in not sending beak this report.

Mr. HOWDEN (the London secretary) explained. He said, Mr. Fruncis's letter conta

Mr. Jenkins (a barrister) considered Col. Cameron was not in order in speaking on a subject not before the meeting.

The Rev. Mr. Shirantan said, it was the reason why the report was overlooked in London.—Mr. Jenkins centended that there must be something in the face of that report, and that only to lead to a discussion. (Hear.)

A PROPRIETOR: It is brought here as the report of the directors, whilst six of the whole number say, "We have not examined it." (Hear.)

The CHARIMAN did not take that view of the subject. The report was in London for a fortnight.—A PROPRIETOR: The fault is this bye-law.

Col. CAMERON thought the Chairman was quite as wrong as his legal adviser. (Order.)—The CHARIMAN: I have nothing to do with Mr. Jenkins as my legal adviser. He is merely here as a shareholder.

Col. CAMERON said, his only object was to show that this report ought not to be adopted, as not being the report of the directors of this company.

The CHARIMAN: It was of ten of them. (Hear, hear.)

Col. CAMERON: Not of a meeting convened in the proper way.

Mr. HOWDEN said, he had no recollection of any notice of that meeting; and added, that the Colonel had requested him to summon a meeting in London, for this day, of the Swamsen directors in London, to consider the terms of the report—and he had done so: but they did not attend.

Col. CAMERON said, the object of that bye-law was to do away with the London board; and he felt it his duty, even against his friends in Swamses, to resist it. (Hear, hear.) He had received a letter from the secretary as at a smeeting for framing of that bye-law, but had entered his protest against it.

Capt. Noncort stated that he had not received a letter.—Capt. Earlist stated the same.

Mr. ELDERTON (the London solicitor to the company) apologised for intru-

Capt.
Colon ahould be altogethe after the tion of t Colon two boar.
The results of the colon two boars and the results of the colon two boars. appointe tary (Mi secretary annum.-tary's ser Capt. 2

mory ser Jenkins) lews for the bye-cal to the rection, i ing. He lowed the ties, name and servic Deck Cor prompt as assisted a pany wou exertion c The Re taries were one board SOUT urday las

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ding himself upon the meeting, and at some length, and in a concillatory speech, adverted to the history of the company, its progress through Parliament, the support and opposition it had met with, and the great advantages to the public which would be likely to ensue by the establishment of the docks. He deprecated in strong, but respectful, terms, the want of union among the directors, and strennously urged upon them to forget their differences, and exert themselves to the utmost in furtherance of the main objects of the company. He presented to state his objections to the bye-laws, which had been prepared and assed at fiwaness without his concurrence, and commented on their manifest all adjourned meetings of the London board being held at Sucasses, but entirely exonested the chairman from any concurrence in any such bye-law. In conclusion, he recommended a meeting between the chairman, the signity-chairman, the country solicitor, and himself, with a view of endeavouring to adjust all existing differences, to reduce the number of directors, and effectually concerned the Camenox thought this dispute would be likely seriously to injure the company, in the opinion both of the land of the likely seriously to injure the company, in the opinion both of the land o

in conclusion, he recommended a meeting between the chairman, the deputy-chairman, the country aclicitor, and himself, with a view of endeavouring to adjust all existing differences, to reduce the number of directors, and effectually sarry out the objects of the company.

Colonel Cameron thought this dispute would be likely seriously to injure the company, in the opinion both of the London and Swansea gentlemen; he was the more sorry for this, as the chairman knew how anxious he had always been to promote the interests of the company.—The Circumstans: Certainly.—Colonel Cameron said, it was well known that he had stepped in at the eleventh hour, when the directors at Swansea would not take the showed his company never could have prograssed. (Hear, hear.) This showed his company never could have prograssed. (Hear, hear.) This showed his confidence in the undertaking. He only regretted this bye-law being passed, it being in direct opposition to their Act of Parliament.

Mr. Juszuns: This bye-law is prefectly consistent with law. Colonel Cameron: Will you stake your legal reputation upon this, that a portion of the directors can pass bye-law is neiter opposition to the Act of Parliament, by which they are governed?

Mr. ELDERTON: He neares that, if the monthly meetings in London should require adjournment, such adjourned meeting should be held at Swansea.

Capt. Noncort said, such a law must have a risen out of a bad feeling.

Colonel Cameron specially and the property prepared by the London board, should be read to the meeting; but, after some consideration, he withstraw it altogether.—Mr. ELDERTON (addrassing the deputy-chairman) suggested that, after the above explanations, he thought it advisable to proceed to the seadoption of the report, and the property and then proceed to the regular business of the meeting. Colonel Cameron seadoption of the property and then proceed to the regular business of the meeting of the property and the property a

SOUTH DEVON RAILWAY-THE ATMOSPHERIC SYSTEM. The half-yearly meeting of shareholders was new ... T. Gill, Esq., in the chair. s was held at the Royal Hetel, Plymouth, o

T. GILL, Esq., in the chair.

re was a large attendance of shareholders, and considerable interest was excited in
quence of the presence of Mr. Hussen, 34.7., who attended the meeting as one of a
tition from the Bristol and Glomester Company, who, it appears, are largely
in the South Deven. The director's end engineer's reports were read; from the
it appeared that upon the capital accounts, the receipts to December 31, 1346, Javo
134, 173.1 Iss. 1d.; to June 30, 1847, 218, 517.7 Sp. 8d.

6, 1,061,282.1 Izs. 3d.; to June 30, 1847, 228, 577.7 Sp. 8d.

engineer's report, signed 1 K. Brand. was a fallow.

cereted in the South Deven. "The directors' and engineer's reports were read; from the former it appeared flast upon the capital accounts, the receipts to December 31, 1846, 130, 1845, and 20, 1847, 231, 1849, 1845, and 20, 1846, 237, 237, 258, 261.

The engineer's report, signed I. K. Branel, was as follows:—It is a subject of great regret, and to no one more than to myself, that we have yet been mable to open any portion of the line to the public with the atmospheric appearatus, although a considerable distance has for some months been in a state to admit of frequent experiments being made upon it. This delay has arisen principally, if not entirely, in that part of the whole system which it might have been expected would have been the least exposed to it—viz.: the construction and completion of the steam-engines. It is due to Mr. Samuda that i should say that, so far as regards the mere pipe and valve, and other details which may be said to constitute the atmospheric apparatus, we might long since have commenced, but the engines, although designed without any interference with their plans, and furnished by the first makers of the country, and although differing so slightly from the ordinary construction of adam-engines, have proved sources of continued and most exentious delays, both in the unexpected length of time occupied originally in their exection, and in anbequent-originally or the frequent interruptions to the continuous working of all the engines very endocated in the properties of the continuous working of all the engines are interruptions of the continuous working of all the engines are interested in more apparatus. There are still some defects to be remedied in one or two ordy, have we been able to work at all continuously between Exeter and Teignmouth, so as to have the opportunity of trying the different parts, and getting the various details requisite or actually working trains, tested and brought to sufficient perfection to ensure efficiency and engineering the continuously between Exeter and

sted and ready to open with locomotive power by the end of the year. The works on a Torquay branch are also drawing near to completion; and by execting a temporary ition at the present extremity, may, it think, be opened to the public at the same time the line to Plymouth.

The Charlaman, in putting the first resolution, offered some explanation asket the financial position of the company. He then referred to the intention of the Post-office authorizes the place the mail on the radiway, see far as Totale, on the 20th of September. This numetance, and the prospect of bringing the Cornish traffic upon the South Devon e, would place the company on a far better footing, in a financial point of view. After a 20th of September, the mails would be enabled to reach Plymouth by six-c'lock in emorning, and Falmouth by two c'olock in the afternoon. Another subject for constitution was, that not one excident had occurred on the South Devon line since it had no opened. After referring to the proceedings of the directors in Parliament, he said was not the intention of the directors to open a small process of the contract of the intention of the directors to open a state of the contract of the

that no time would now be lost in having the leasemetives removed, and putting a power of alleged greater tractive force upon the rails; having obtained that pledge from the directors, he was now quite satisfied, but he hosed this question would also be considered, that, even aupposing, the new principle were of greater tractive power, still it would be necessary to see whether it could be rendered commercially neeful. The expenses which had already been incurred upon this principle, amounted to about 10,000. Per stile, and he feared the expense would ever be a vital objection to its adoption; he would not, however, open up again questions that were now gone by. Their duty was to make the best of their present condition, and he idought the directors had come to a wise resolution in adopting the course they had done, and he begged now to express his thanks to the board for having so cardially met him and his colleagues, and at their representations suspended a long-formed opinion. He repeated that the line, if fully worked, and the traffic were fully developed, would pay a fair dividend; but if they went into expenses of an extra-rainary kind, then he must say he looked upon it with great doubt, and he traffic were more means equal to their present means of propelling trains; he hoped, therefore, the board would determinedly resist any further outlay of capital as this direction until they obtained a report, carefully drawn up, both as to the expense and the power of this now principle, and at the same time comparing it in both respects with the means of traction now in use; and if it were them proved to be benedical, he would chaerfully adopt a farther extinsion of it.

The Chalmana then moved the adoption of the report, and said that, though they had

further extension of it.

The CHAIMMAN then moved the adoption of the report, and said that, though they had had an interview with Mr. Hustson, yet it was due to the directors to state, that they had come to the resolution of not proceeding with the atmospheric works below Totnes before they saw that gentlemen, and they told him so.—The resolution was then partand carried, as was also another, to the effect—that as soon as 250,0001, or half their capital, should be raised, the directors were authorised to borrow 116,9001, in terms of the Act of Parliament.—Thanks to the obstruant were then moved by Mr. Hustsov. and magnitude.

BIRMINGHAM AND OXFORD JUNCTION RAILWAY.

BIRMINGHAM AND OXFORD JUNCTION RAILWAY.

The sunal ordinary half yearly meeting was held in Dee's Assembly-room, Birmingham, an Monday leat.—W. MATHEWS, Esq., presided upon the occasion; and amongst others or sessent were Lord Hatherton, Mr. Spooner, M.F., Mr. Mosley, Mr. Sunders Great Western), Mr. Crossfield, Mr. W. Hall, Mr. C. R. Kettle, and other influential shareholders of the Great Western, Mr. Challman was aboutte office affect the scale to the registry of the shareholders, when Mr. Mozurs said he had a question to ask before this was done, and he objected to the seal heliag affixed at present.—The Canantas rejoined, that the course he proposed to take was in accordance with the regular course of proceeding.—Mr. Mexurs resiled.—Mr. Mozurs and he objected to the seal heliag affixed at present.—The Canantas rejoined, that the course he resiled.—Mr. Mozurs moved, and (the chairman declining) himself put the following the said.—Mr. Mozurs moved, and (the chairman declining) himself put the following resolution:—"That the seal now produced not being the common seal of the company, the same he not affixed to the registry of shareholders; and that such seal kawing been ordered at the special genoral meeting of the company, the asset the same into the canadoy of Mr. E. J. Mozley, one of the decreased to deliver the same into the canadoy of Mr. E. J. Mozley, and they are kereby, ordered now to deliver the same into the canadoy of Mr. E. J. Mozley, and they are kereby, ordered now and "—The resolution was carried; upon which Mr. Mozurs, addressing the chairman, and the directors have a seal as with a decreased to the company, and the seal of the ordered to the company of the condition and progress of the works. The attainmentary expenses, 21,8996, during the part half-year. There is a balancejin hand of 20,000d; and there conduct that the decrease of the works. The attainmentary expenses, 21,8996, during the part half-year. There is a balancejin hand of 20,000d; and there conduct the company is faire.—Mr. Mozurs

for the injunction being money and arisen, and in an interest that another delay had arisen, and in an interest the moved: "That the report of Mr. Dobie, as to the ming week after. —Mr. Moztay then moved: "That the report of Mr. Dobie, as to the ming will be made in the same of this company, and the proceedings thereon, be, and they are hereby, approved and confirmed."—This was carried, it having been put by Mr. Mozley; the chairman declining to do so, and protesting.—Mr. Moztay next moved, and Mr. G. Tunagas accounted, "That this meeting be further adjourned to Friday, the 17th day of September, at Dec's Royal Hotel, in Birmingham, at three o'clock in the afternoon, when the further consideration of all, or any of the matters referred to in the requisition under the further consideration of all, or any of the matters referred to in the requisition under

BIRMINGHAM, WOLVERHAMPTON, AND DUDLEY RAILWAY.

BIRMINGHAM, WOLVERHAMPTON, AND DUDLEY RAILWAY.

The half-yearly meeting was held at Dee's Royal Rictal. Birmingham, on Monday, she
30th Angust.

W. Marnews, Eng., in the chair.

The report of the directors stated, that the sanction of Parliament had been obtained
for the sale to the Great Western Company, and expressed their conviction that this sale
would conduce to the convenience and advantage of the public. The works had been carried on with all possible celerity, and the contracts for the whole line had been let, but
the directors considered it most practed to postpone proiseeding with some of them until
the land could be secured on reasonable terms—an object which any undue precipitation
would defeat. The statement of accounts up to the 30th of June showed—received upon
the two calls, and the balance of [81,066]. Hs. in hand at the time of meeting,
208,8281. 18s. 5d.; the total expenditure had been 139,250? 2s. 10d.—which leaves a balance of 46,6181. 6s. 10d.—In moving the adoption of the report, the Chalaman said,
that the accounts of the company were in a most satisfactory condition. He then referred to the arrangements by which the sale of the line had been completed to the Great
Western Company, and declared that it would have afforded him much astisfaction if the
sale of the other line in connection with them (the Birmingham and Oxford Junction)
had been silowed to be carried out with like integrity; but, he said, although the carrying out of that arrangement had been deferred, if had not been defeated. At the same
time, he wished it to be distinctly understood that, whatever might be the result of the
contest then going on, the sale of their line had been perfected by two Acts of Parliament; therefore, under any circumstances, it would remain intact and complete. He
adverted to the objects of the original promoters of the line, which were to secure for the
district the fallest amount of competition with the London and North-Western lines.
Parliament had recognised and ratified that princip

and thanks to the chairman, having been proposed by the Eart of Darmouth, seconded by Lord Haterrow, was unanimously carried, when the meeting separated.

BRISTOL AND EXETER RAILWAY.

The half-yearly meeting took place, on Wednesday, the 1st inst., at the White Lion Hotel, Bristol.

J. B. Badham, Esq. (the secretary), read the report, which announced that the amount of rent, and share of toil, stated by the Great Western Railway Company to be due to the company for the half-year, ending 18th of June last, was as follows—viz.: Fixed rent of the line from Bristol to Exotor, from December 14, 1846, to the 13th of June, 1847, at 71,997t. a-year, 35,9784. 1bs.; share of toil on 374,906 jeassengers, conveyed 5,492,569 miles, at 4d, a mile, 5277. 3s. 6d.—11,474, 12s. 6d., total, 47, 483, 2s. 6d.; which showed an increase of 689t. 46s. 10d. over the corresponding half of the year 1846, a frising from an increase of 16,192 passengers, and 12,436 tons of goods. The disposal balance of the revenue account, including the surplus of 30551. 18s. 6d. and on the former half-year, was 36,1919, 9s. 1d., which enabled the directors to declare the same dividend, of 1t. 13s. 9d. per 100t. share, as in the last half-year, free of income tax. This dividend was equal to 4 per cent. on the 75t. pald up, and left a surplus of 3060t. 49s. 4d. to be carried to the credit of the next half-year. The juterest on third chares to the 30th of June last, as well as the interest on anticipations of calls to the same date, would be remitted at the same time. The bill for a line from Crediton to Lanceston was lost on Standing Orders, and the branch from Launceston to Liskeard was rejected by the committee on the bill; but the preambles on the bills for branches from Bleadon to Wells, Sereet, and Glastonbury, and from the neighbourhood of Taunton to Castic Cary, had been proved in the committee of the Blosse of Commons, and these bills would be proceeded with hits next-session. The branch for New so, on the 19th of the credit has been not been c been proved in the committee of the House of Commons, and these bills would be proceeded with in the next session. The branch to Cleveton was opened on the 38th of
July. The Great Wortern Company had agreed to work these four miles during the redelayed by the difficulty of making any reasonable arrangement with the company. Noarly six miles of the Veolt branch were incided progress, a soft and
Gamal Company. Noarly six miles of the Veolt branch were incided progress, a soft and
Gamal Company. Noarly six miles of the Veolt branch were incided progress, a soft and
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the Clastonbury Canal, and a resolute for the progress of the Company of the call for
\$1.000 on the latter, due 2 in the Company of the call for
\$1.000 on the latter, due 2 in the Company of the Company of the Company
deposits having been subsequently recovered, the amount was now \$9,704 f.s. 6d.—The
Clastonburg Company of the report, said he must congruntate them on the
increase in media give deposits of the proceeding in the year, that increase amounted to 65 per cent.
This could not but be received as evidence of the actuality progressive increase of trafte on
the dine, and was in itself a circumstance of the most encotraging and graiffying nature,
Sirice the last half-rearty meeting, the company had been engaged in a severe and expensive Parliamentary contact; and although they had lost their hills for making lines
from Credition to Laineacoton, and from Laineacoton to Lisiceact, yet the result on the
whole was mout auccessful, and likely to be attended by consequences most ben

CALEDONIAN BAILWAY.

CALEDONIAN RAILWAY.

The half-yearly meeting was held on Tuesday, the 31st August, at Gibb's Royal Hetel, Editiburgh.

J. J. Horz Jounstroux, Esq., in the chair.

Capt. Conpusorux (the secretary) road the report, which stated, that the opening of the line from Carrisis to Bestlock. Serige might he said to have been realised. Satisfactory arrangements had been made for forwarding, by well-appointed fast coaciete, all through, passengers, who, proceeding northwards either to Editburgh or Giagow, shall arrive at Bestlock. After detailing their Parliamentary campaign, the directors gave notice that it is their intention to make a final call of 10t, per share upon the 50t, shares, payable so are its of Gelober next, to enable them to arrange fully and satisfactorily for the completing and opening of the line. It is also their intention to call up 17. Se. upon the half or 25c, shares, to be made payable on the 14th of Colober, to execute some indispayed to the 15th of Colober, to execute some indispayed more in the completing and opening of the line. It is also their intention to call up 17. Se. upon the half or 25c, shares, to be made payable on the 14th of Colober, to execute some indispayed more intention of the sand of the shareholders of the company the means of recording their votes in reference to 8th. Proxise have, therefore, been forwarded to every shareholder; and their replies, which will appear on the scratiny following Mr. Bridges's medican, will, it is hoped, be a more decisive inducation of the course where the salped, that if the directors had taken it upon them to recommend any particular line to the shareholders. The works were proceeding favourable,—The Charkanay, in moring the adoption of the report, said, he thought it would be evident to every gestleman who shareholders. The works were proceeding favourable,—The Charkanay, in moring the adoption of the report, said, he thought it would be evident to every gestleman who shareholders. The work and the said of the said of the said of the said of th ting was held on Tuesday, the 31st August, at Gibb's Royal Hetel, J. J. Horz Johnstone, Esq., in the chair.

LLYNVI VALLEY BAILWAY.

The half-yeardy meeting of this company was held at the offices, West Strand, on Monday, the 30th August. Dr. Bowaine, M.P., in the chair.

The advertisement convening the meeting having been read, the Charaman, before calling on Mr. Wood (the secretary) for the report, begged to state that a meeting had been held in the locality, in connection with the transfer authorised by the Act of Farliament, of the property of the Duffyn Llyuri and Porth Cawl Railway Company to this company. The transfer had been completed, and the money paid, according to the Act of Parliament. Of course, as they had only had their line under their management for a few days, it was impossible to state what the sessil of the working might be; but he had every reason to believe, from all that had, transpired, that the line, as possessed by this company, would not only be advantageous to the district, but would prove to be a property of increasing walue to the shareholders.—The Sexantary read the report of the directors, which stated that "the agreement entered into with the Duffyra Llyuri and Porth Cawl ace work of the Charlest Cawl Company, for the purpose of consolidating the two undertakings, had been confirmed by Parliament, and the Act, authorising the union, had received she Soyal Accest.

By this Act, the property and powers of the Duffyra Llyuri and Porth Cawl as vested in the Llyuri Valley Company; the capital of the former is declared to be past-of the capital of the latter—the proprieters of the former receiving stook of the new company culviant to their shares in the Duffyra Llyuri and Forth Cawl, with the same privileges as the holders of existing shares. The directors also stated, that the Act for authorising the short extension from Castel-y-Wewa to Angle Town, in the parish of Newcastle, his received the Royal Assent, and they regard this short extension as a most important accession to the powers possessed by this company. The directors have only been put into possession of the Duffyra Llyuri and Forth Cawl is with a very

THE PLATE-GLASS TRADE.—Some statistics on the manufacture of plateglass in Great Britain from 1819 to 1847, which have been prepared by Mr. glass in Great Britain from 1819 to 1847, which have been prepared by Mr. Henry Howard, of Plaistow, furnish another satisfactory indication of the ability of our artisans to compete with foreigners, and to drive them from the field, is those instances where trade is free from artificial aid or vexatious restrictions. Until its entire remission by Sir Robert Peel, the excise duty on British plate-glass was nearly 40 per cent. of the entire cost. In 1845, the price per foot of a plate, 24 in. by 18, was 9s.—it is now 50.1d.; the number of feet soid per week was 23,000—it is now 70,000; the hands employed were 6000—they now amount to 12,000; the quality of the production having meanwhile rapidly improved, and the supply, notwithstanding the vast accession of hands, being less adequate to the demand than at any former period. Mr. Howard refers to a statement recently made by Lord George Bentinck (with a view to show that the removal of the glass duties is a failure), to the effect that the value of glass exported in the first five months of 1845 was 215,6391, while for the corresponding period of the present year it was only 131,7391—and points to the facts we have just quoted as a conclusive demonstration of the fallacy of the attempt, and of the way in which the half use of statistics may serve to propagate error. The diminished exportation is clearly accounted for by the enormous increase of the home demand, which clears the market as fast as it can be supplied, and which will leave us unable to satisfy the wants of foreigners until the large profits which the manufacturers are now making shall have stimulated a sufficient number of capitalists to enter into this branch of business. At present the duty upon the importation of British plate-glass into France is from 15 to 19 per cent., while the duty on this side upon foreign importations is not more than half that amount; yet, in the face of these circumstances, coupled with our large demand and consequent high prices, the consignments from France and Belgium h Henry Howard, of Plaistow, furnish another satisfactory indication of the ability

Turkey, &c.—will proceed almost entirely from Great Britain. In another column will be found the prospectus of a company about being established for the manufacture of plate-glass, under the management of Mr. Howard, whose great experience in all matters connected with the trade, would appear to render him an invaluable acquisition in conducting the affairs of a concern presenting something more than the usual prospects of good returns for the capital outlaid.

Transfrarent Painting on Glass.—Place the glass between the eve and a window, or some light object, and having drawn the outlines with Brunzwick blacking, proceed to colour the several parts of the design with the transparent colours or lacquers, as before described, adding one, two, or three coars where the deeper shades are required. For this purpose, however, the colours should be prepared in ditnte copal varnish; or a coat of this varnish should be apread over the coloured work, if prepared in shellac.

Trest for readily District Hong Iron from Street.—To distinguish iron from ateel by a chemical process, take pure nitric acid, dilute if with a second allowed to remain upon it for a few minutes, and then washed off with water, it will leave behind a black spot. But if a drop of this said be suffered to set upon iron in the same manner, the spot will not be black, but of a whitish grey colour. The black stain is owing to the conversion of the carbon of a box sless into charceal, which thus becomes predominent; and iron being meanly fitted from carbon, can produce only a grey stain. The utility of this test is not confined to finished articles manufactured of steel, but its application enables the workman in iron and steel to ascertain also the quantity and uniformity of texture of unfinished articles.

CTRONG MIXING PIG-IRON.—The YSTALYFERA
IRON COMPANY beg to solicit ORDERS for their ANTHRACITE PIG-IRON.
This Iron mixes well with Scotch pig-inparting to its strength and elasticity, and receiving from it a portion of its softness and fluidity. No. 3 Pig ts recommended for mixing with soft from—Ness. 1 and 2, for machinery casting, requiring great soundness and strength. At this period, when cast-iron is so much employed in the construction of mixing with soft from—Ness. 1 and 2, for machinery casting, requiring great soundness and other building, requiring great at continues and other building, requiring great at continues and other building, requiring great soundness and strength. At this period, when cast-iron is so much employed in the construction of mixing with soft from—Ness. 1 and 2, for machinery casting, requiring great soundness and other building, requiring great soundness and strength. At this period, when cast-iron is so much employed in the construction of other building, requiring all the strength and elasticity which the best mixture of mixing presentation in the construction of an algority mixing great soundness and strength and elasticity, which he best mixture of mixing great soundness and strength and elasticity, which he best mixture of mixing great soundness and strength and elasticity, which he best mixture of mixing great soundness and strength and provided in the construction of the process in other building mixing and geology, with the most approved mixing mixing and profitation of the mixing mixing and profit and provided in these mixing mix

PRISTOL AND EXETER RAILWAY.—At the Half-yearly General Meeting of this company, held at the White Lion Hotel, in the city of Stistol, on Wednesday, the list of September, 1847.

JAMES WENTWORTH BULLER, Esq., in the chair, it was manipumently received.

Bristol, on Wednradry, the 1st of September, 1881.

JAMES WENTWORTH BULLER, Esq., in the chair,
It was unanimously resolved,—
I. That the report of the directors, now read, he received and adopted, and that they be requested to send a copy to every proprietor.

2. That a dividend of £1 12s. 9d, per £100 share, free of income tax, for the half-year studing on the 20th of June last, he declared, payable to the proprietors of all such shares tending registered on the 21st of August.

3. That the directors be, and they are hereby fully, authorised to order surveys, and to adopt all such other proceedings as they, may deem expedient for protecting the interest of this company, in any of the districts contiguous to the main line or its branches.

4. That this meeting approve the purchase of Exeter and Crediton shares for account of this company, as stated in the report of the directors; and that they be, and they are sereby fully, authorised to adopt such measures as they may deem expedient for securing possession of the Exeter and Credition Eallway, conformably to the agreements already sanctioned by this company.

2. That the purchase of the Glastonbury Canal and works, for account of this company, as and the same is, approved and sanctioned by this meeting; and that the directors be suthorised to adopt whatever measures they may deem needful for legalising this transaction.

section.

5. That the directors be, and they are hereby, authorised to create new shares, or raise cans, under the guarantee of this company, and in conformity with the several Acts of arliament, when and in such way as they may deem most advantageous to the interests of this company, for the purpose of providing the several amounts subscribed towards the apitals of the South Devon and Cornwall Eallways, and for such other purposes as have seen amentioned by the proprietors of this company.

7. That the best thanks of this meeting be given to the directors, for their able and dicient management of the affairs of this company.

The chairman having quitted the chair, it was unanimously resolved,—

3. That the best thanks of this meeting be given to James Wentworth Buller, Esq., for is able and judicious conduct in the chair.

ALEDONIAN RAILWAY—NINTH INSTALMENT.—

Notice is hereby given, that the directors of the CALEDONIAN RAILWAY
COMPANY have made a CALL for an instalment of TEN FOUNDS per share, being the
ninth and final instalment, PAYABLE into one of the undermentioned banks, on or before Friday, the 1st of Cetober next:—

LONDON—Messra. Masterman and Co., 33, Nicholas-lane, Lombard-street.

LIVERPOOL—Messra. Moss and Co.

MANCHESTER—Sir Benjamin Heywood, Bart., and Co.

MRISTOL—The National Provincial Bank of England.

NEWCASTLE-ON-TYNE—The Newcastle Commercial Banking Company.

EDINBURGH and GLASGOW—The Commercial Bank of Scotland.

Interest, at the rate of 5 per cent. per annum, will be charged on all calls not paid at
that date.—No transfer of shares received at this office after the thinst., can be registered until the call is paid.

Office, 123, Princes-street, Edinburgh, Sept. 1, 1847.

OALEDONIAN RAILWAY.—At the Half-yearly General Meeting of the Caledonian Railway Company, held in the Royal Hotel, Edinburgh

Meeting of the Caledonian Railway Company, held in the Royal Hotel, Edinbu n Taresday, 31st August, 1847.

J. J. HOPE JOHNSTONE, of Annandale, Eaq., Chairman of the Company, in the chair.

The Secretary baving read the advertiseagent calling the meeting, the following resons were passed manimously:—

That the company he affixed to the register of sharehold.

ed unanimously:—
or the company be affixed to the register of shareholder radingly done, in the presence of the meeting).
sport of the directors now read be received, adopted, and circulated among

ie shareholders.

3. That John James Hope Johnstone, Esq.; William Lockhart, Esq., M.P.; Roberstone Douglas, Esq.; James Seton Wightman, Esq.; and the Right Honourable For Isale, M.P., be re-elected directors of this company.

4. That Henry Brock, Esq., be re-elected one of the suditors.

It was moved by Sir Andrew Agnew, Bart., and seconded by John Meiklem, Esq.;—

"That there be a total cessation of traffic on this railway on the Lord's Day," and one question being put, the motion was negatived.

being put, the motion was negatived. J. J. HOPE JOHNSTONE, Chairman. am having left the chair, it was further moved, by Sir Andrew Agnew, Bart. The chairman having left the chair, it was further moved, by air Anniversiand carried by acclamation:—

That the thanks of the meeting be given to the chairman, for his conduct in the chair.

J. W. CODDINGTON, Secretary.

CAMERON'S COALBROOK STEAM COAL AND
SWANSEA AND LOUGHOR RAILWAY COMPANY.

CONTRACT FOR WORKS.

The directors of the above company are prepared to RECEIVE TENDERS for the ERECTION of a QUAY WALL at their wharf, situated next Padley's Quay, Swansea.

Plans and specifications may be seen at the offices of J. Jackson Price, Eq., solicitor, Swansea, from Monday, the 30th August, till Saturday, the 11th September next, both inclusive.

nchaire.

Scaled tenders to be addressed to the secretary, must be delivered at the comp
ffices here, not later than Twelve o'clock on Monday, the 13th September next.

Irectors do not pledge themselves to accept the lowest tender.

By order of the directors.

London, 2 Moorgate-street, August 24, 1847.

A. C. HOWDEN, Secreta

London, 2 Moorgate-street, August 24, 1847.

A. C. HOWDEN, Secretary.

CAMERON'S COALBROOK STEAM COAL AND SWANSEA AND LOUGHOR RAILWAY COMPANY.

CONTRACT FOR WORKS.

The directors of the SWANSEA AND LOUGHOR RAILWAY COMPANY are prepared to RECEIVE TENDERS for the EXECUTION of their LINE of RAILWAY.—Plans and specifications may be seen, and forms of tender obtained, at the office of T. Page, Esq., the company's engineer, Thames Embankment office, 2, Middle Scotlandyard, Whitehall, London, between Monday, the 50th August, and Friday, 3d September, both inclusive; and at the offices of John Jackson Price, Esq., solicitor, Swansen, from Monday, the 6th, till Saturday, the 11th September next, both inclusives.

Seaied tenders, addressed: to his secretary, must be delivered at the company's offices here, not later than Twelve o'clock on Monday, the 18th September next. The directors do not picking themselves to accept the lowest tender.

By order of the directors, London, 3, Moorgate-street, August 24, 1847.

A. C. HOWDEN, Secretary.

ORNWALL RAILWAY .- At the Half-yearly Ordinary

Meeting of the proprietors of this company, held pursus the Assembly Room, Truro, on Thursday, August 26, 1847, JOSEPH THOMAS TREFFRT, Eq. (Chairman), to The following resulutions were put from the chair, and carried 1. That the common seal of the company be affixed to the regis roduced. 2. That the report of the directors, now read, be adopted and circulated among the roprietors.

JOSEPH THOMAS TREFFRY, Chairman.

proprietors.

It was resolved,—
That the best thanks of the meeting be given to the chairman for the court
ner in which he has presided over this meeting.

W. H. BOND, Se

A new engine of Mr. Crampton's, the Kennard, for the Dundee and Perth Railway, steamed from Whitehaven to Hull last week in a most satisfactory manner. It was seen by most of the engineers of the various lines passed over, and there appears to be but one opinio successful: it was particularly so in pa-line, where the curves are very severe.

lins, where the curves are very severe.

New Live-Boat.—A new life-boat, of capabilities and safety never before obtained, was tried at Cowes on Tuesday last, in the presence of Captain Thornton, R.N.; Capt. Nairne, Hon. Company's Service; and Mr. J. Allan, director of the Peninsular and Oriental Steam Navigation Company, for which company she was built; of Capt. Eswis, Captain Moresby, Mr. A. Lamb, and Mr. G. Bayley, the company's principal officers, all of whom gave it their strongest approval. The boat was built by Messra. White and Sons, is 30 ft. long, 9 ft. beam, has double sides and air tight ends; 135 men were placed in her, and she took in all the water that she could gauwale under; and, when she righted, gave a 15-inch side—in fact, it was found impossible to sink her. She sails very fast, stays in 32 seconds, and weighs only 17 cwts. She will carry in her lockers a month's provision for 50 men. The novelty is principally in her form. A more public trial is to be made at Southampton, on Monday.

Southampton, on Monday.

GALVANIEED TINNED INON.—Plates prepared under this process have been successfully used in roofing the Merchants' Exchange, the Boston Exchange, the Franklin House, the New York Post-office, and Stewart's marble store in Broadway. About 700 other buildings have been covered with these plates; in all these instances, it has been found that they remain in as good condition as when first laid on, are bright, sound, uncorreded, and tight. The article is easily mosked, from its malleability, and the quality of the iron is much improved by the process. We recommend it to our readers as something well worth their attention.—Missers' Journal.

.condon.

In fine, this institution will afferd to the member, as soon as he reaches London the condition of finding himself in the society of his friends, or others of congenial taste, the case, but these expense, of an inn. It will be open to one used off its niember ining all the conveniences of a club, but independent of all political, party, national fielding.

local feeling.

For mining business appropriate rooms will be set apart, and every facility afforded in the formation and extension of mining companies—the conduct of their business—the holding their annual or other meetings, and the sale and purchase of shares. The charges for these will be on a regulated and moderate scale, and will only concern those who shall lesire the transaction of such business.

holding their annual or other mesungs, and the such and will only concern those who shall desire the transaction of such business.

No responsibility of any kind is to be incurred by the member beyond the amount of his annual aubscription; and he may withdraw at any time by giving half-a-year's notice, and paying up his subscription to the proposed time of quitting.

It is confidently expected that, in addition to the ordinary members, support will be given to this institution by the noblemen and gentlemen realdent in, and representing, the counties and horoughs in the mineral districts, as also by the lords of the mineral soil generally, and ty parties who have greatly benefited by mining, and possess mining influence. As the avocations of these noblemen and gentlemen will undoubtedly preclude the favour of frequent visits, it is trusted that they may still honour the proposed institution with their patronage and support, by becoming Life Honorary Hembers, paying a present subscription of The Gulness in lieu of all annual subscriptions, which will entitle them to all the advantages of the institution, and consistate them, or face, monthers of the committee, should they desire it.

Subscriptions from mines will entitle any one of their accredited proprietors or agents to the advantages of the institution.

Letters for further information and applications for admission to be addressed to Mr. J. G. Beckerleg, B. Corolluit; to Mesars. Crossman, Sommers, and Co., 28, Threadmedle-treet; or to Mr. R. Tredimick, Three kings-court, Lombart-street, London, where detailed prospectuses may be obtained; prospectuses can also be had at the Mining Journal office, 26, Fleet-street.

EAST COOMBE SILVER AND LEAD MINING COMPANY—In 4096 shares, at One Guinea per share. CONDUCTED ON THE COST-BOOK SYSTEM.

COMPANY—In 4096 shares, at One Guinea per share.

CONDUCTED ON THE COST-BOOK SYSTEM.

BANKERS—The National Provincial Bank of England, Barnstapie.

SERRYANY—Mr. George Chowen.

The mines possessed by the company extend upwards of 800 shitoms on the run of the lodies, and about 200 fathoms in a cross direction, situate in the parish of Swymbridge, near Barnstable, being held under a lease of 21 years, at 1-15th dues. The lodes are parallel with those of the Combmartin Mines, and in every respect similar in their component parts, matrix as well as country (which latter is a kindly killad), and may be worked at an easy cost. The operations of the present company have been confined for the past two years to clearing up the old workings, anking engine-shaft, extending levels, &c.: but it being deemed essentially necessary to erect a steam-engine, with the view of putting the mine to a greater depth, as also proving the north lode, it has been determined to extend the number of shares to 4096, with a payment of One Guinea per share, a considerable proportion of which will be taken by the present proprietors. It may be observed, that the mines may be worked for the next six or eight months without the aid of steam-power, there being a good water-wheel exceed, but which can only be partially applied, from the top water falling off; during which time the north lode (the most promising one in the sett) can be interested at the 10 and 29 fathom levels, and driven on at those points. The adventurers have lately secured a valuable addition to the sett, which considerably enhances the value of the property.

In working the mines, it is intended to adhere strictly to the Cost-book System; a finance committee being appointed, who will have control over the funds of the company, and see to their proper application; such committee to be appointed at the first meeting of the adventurers, and remain in office two months, when they shall be required to furnish a cash account of receipts and expenditure, as also the seets and inabil

I have inspected the East Coombe Mine, and beg to hand you my report. The mine is located in a stratum of rich blue kills. The lodes are parallel to those of the celebrated Combmartin Mine, and in similar strata of ground. A considerable quantity of ore appears to have been taken from the south lode. In the bottom of the 10 fathom level, a good branch of silver-lead ore is going down, and I have no doubt of your having a course of ore in this lode at the next level.

The north lode, however, in one contains the strategy of the long that the contains the strategy of th

good branch of silver-lead ore is going down, and I have no doubt of your having a course of ore in this lode at the next level.

The north lode, however, in my opinion, is the most kindly one in the sett. The indi-scilons at the adit being of the most encouraging nature, I strongly recommend this lode being cut, with all possible dispatch, at the 10 and 20 fm. levels; and I confidently believe row will find it rich when intersected. The machinery is in first rate order, and well laid ut. It is my firm conviction, that if a steam-engine were erected, and the working rigorously prosecuted, considerable returns might at once be made. J. WILLIAMS.

Applications for shares to be made to J. P. Gilbert, Esq., Manager, National Provinciants, Barnstaple: Mr. John Westacott, East Coombe Mining Office, Swymbridge; and a secretary, Mr. George Chowen, from whom prospectuses may be had.

ALBION PLATE GLASS COMPANY.

Capital £100,000, in 4000 shares, of £25 each.
Preliminary deposit, 2s. 6d. per share, until complete registration.

ZEUTRES.

MATTHEW FORSTER, Esq., M.P., New City Chambers.

CAPT. CHARLES EDWARD MANGLES, Guildford.

GEORGE FREDERICK YOUNG, Esq., Limebouse.

HENRY CORNFOOT, Esq., Did Palace, Richm JOHN KNILL, Esq., London-bridge Wharf. SAMUEL SHARP, Esq., Albury, near Guildfor CORNELIUS SMITH, Esq., Gracechurch-stree EDWARD SMITH, Esq., Old Broad-street. FREDERICK YOUNG, Esq., Bromley, Middles MANAGES MIT HORY HOWARD.

MANAGE -Mr. Henry Howard.

Wm. Bagshaw, Esq., Coleman-street; John Adams Carter, Esq., Leadenhall-street.

BANKERS—The Commercial Bank of London.

SOLICTROSS—Mesers. Shearman and Slater, No. 23, Great Tower-street.

SULWEYGE—John MOTTAL, ESq., No. 0.8, Fenchurch-street.

SECRETARY—Henry Shearman, Esq.

In the year 1836 the manufacture of plate glass in Great Britain was about 7000 feet or week: the sales are now about 70,000 feet per week, exclusive of foreign. The deand is increasing beyond all precedent; and, although some of the houses are working ight and day, the supply of good quality is still inadequate for home consumption alone. From 1827 to 1847, the reflection in price has been from 12s. to 5s. p. foot, or 60 p. ct. From 1827 to 1847, the increase in consumption has been from 3000 to 70,000 feet per esk, or 1400 per cent.

This company has been formed to great the consumption has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company has been from 3000 to 70,000 feet per Chis company f

week, or 1460 per cent.

This company has been formed to afford a better, and, if possible, a sufficient supply. This company has been formed to afford a better, and, if possible, a sufficient supply. The company has been formed to afford to a morrownous extent, but which, in the present state of supply and demand, is grievously neglected.

The profit now, but the supplementation of the present state of supply and demand, is profit now, by a superior application of machinery, and the adoption of important schemic impresent country to be presented for their especial benefit, will be enabled not only to construct their rights at liftle more than half the control of similar undertakings, but also construct their at a decreased necessaries.

to construct their works at lettle more than half the cost of similar undertakings, but also to carry them on at a decreased permanent charge; and, by these means, this company till be placed in a position of vast superiority over any existing establishment. Freed, as this rising trade now is, from Excise restrictions, and looking at the extraor dinary results that have already arisen, it is impossible to foresee either the extent it which this manufacture may be carried, or the full amount of advantage to be derived from its more extensive development. Nor is its unworthy of remark, that, in this country, also of the finest plate glass may be produced at a cost considerably below that o status practice.

try, alabs of the finest plate glass may be produced at a cost considerably below that of statuary marble.

The locality of London presenting peculiar advantages, arrangements have been made for the purchase of an eligible site of freshold land on the banks of the Thames, and other important steps are taken, whereby the works may be completed, and in full working operation within 12 months.

This undertaking is brought forward, not only as a safe and extremely valuable investment for capital, but also as one which the public interest imperatively demands, and a large amount being already asbecribed, the remainder will be apportioned to respectable parties, when may apply to the socretary, at the offices of the company, No. 4, Rallway-place, Fenchurch-street, where, or of the solicitors, No. 23, Great Tower-street, prospectages and any further information may be obtained.

Tables and any further information may be obtained.

IMPORTANT TO ENGINEERS AND INVENTORS.—
On Friday, the 37th Angust, a STAMPED EDITION of the PATENT JOURNAL will be published, and on each succeeding Friday, to 90 free by post, price 7d.—containing Specifications of Patents, white copious ongravings—Articles on Scientific Subjects—Begistrations—Lists of Patents, weakly, &c.

"To Engineers, Ironumaters, and, indeed, to all interested in the arts, no work can be more useful; while, to inventors, it is indispensable."—Moschester Georgicas.

A Specimen Manuber will be east free of charge—Send a Post-office order, payable to Edward John Payne, Esc., 89, Chancery-iane, when the Patent Journal will be forwarded on Friday evening. For the year, 61 to s. half-year, 18s. 64: quastrer, 7s.

Patent Office, Barlow, Le Capelain, and Payne, 49, Chancery-lase.

IMPORTANT TO ENGINEERS, MANUFACTURERS, MEASTRAND TO ENGINEERS, MANUFACTURERS, Meastra, W. & C. MATHER beg to call the attention of the ABOVE PARTIES to their IMPROVED PATENT ELASTIC METALLIC PISTONS.

60 The PRINCIPAL FEATURE and ADVANTAGE of THIS IMPROVEMENT is1. Its great ELASTICITY and SEEF-ADVISTING PROPERTIES, which enabyield to any inaccuracy of the cylinder, whether oval or taper, and to move with the
possible friction.

please to say manufacture.

2. Its extreme SIMPLICITY and LIGHTNESS, consisting of only two sleeces of metal-having the vertical and lateral pressure in due and proper proportion, independent of each other.

3. It takes the LEAST possible SPACE, and is well adapted for air and water-pumpa, as it allows of a larger water way.

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